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U.S. DEPARTMENT OF COMMERCE/National Bureau of Standards

*Standard Reference Materials:*

# 1982 Compilation of Elemental Concentration Data for NBS Biological, Geological, and Environmental Standard Reference Materials

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# 1982 Compilation of Elemental Concentration Data for NBS Biological, Geological, and Environmental Standard Reference Materials

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This 260 Series is dedicated to the dissemination of elemental concentration data for NBS biological, geological and environmental SRM's. More information will be found in this 260 than is generally found in NBS Certificate of Analysis. This 260 enables the user of these SRM's to assess the validity of data not available in the certificate of analysis. We hope that this 260 will provide sufficient additional information so that new application of these SRM's may be sought and found.

Inquiries concerning the technical content of this compilation should be directed to the authors. Other questions concerned with the availability, delivery, price of specific SRM's should be addressed to:

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# 1982 COMPILATION OF ELEMENTAL CONCENTRATION DATA FOR NBS BIOLOGICAL, GEOLOGICAL, AND ENVIRONMENTAL STANDARD REFERENCE MATERIALS

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Concentration data on 88 constituents in 75 NBS Standard Reference Materials have been collected from over 850 journal articles and technical reports. These data are summarized into mean values with uncertainties expressed as +/- one standard deviation and compared with available certification data from NBS. Data are presented on the analytical procedures employed and all raw data are given in the Appendices.

Key words: Analytical methods, biological, certified, compilation, environmental, geological, information values, literature values, mean values, Standard Reference Materials.

## DISCLAIMER

Certain commercial equipment, instruments, or materials are identified in this report in order to adequately specify the procedure used for data compilation. Such identification does not imply recommendation or endorsement by the National Bureau of Standards, nor does it imply that the materials or equipment identified are necessarily the best available for the purpose.

## 1. Introduction

This compilation is a revised, updated, and expanded version of the first edition which appeared in 1980 (1). The National Bureau of Standards (NBS) has produced over 60 Standard Reference Materials (SRM) for use in biological, geological, and environmental analytical chemistry. The basic goal of the SRM program is to provide homogeneous and stable materials of a variety of natural matrices, for use in technique development and in analytical quality assurance. The function of standard reference materials in the latter role has received recent attention in a series of articles by Taylor (2-4). These standard reference materials carry the full legal weight and authority of NBS and the U. S. Department of Commerce, as they have been specifically authorized by federal legislation.

The concentrations of as many as 39 constituents have been determined at one of two confidence levels in each SRM: certified values and non-certified or informational values. The former is the present best estimate of the true concentration of that constituent and is not expected to deviate from that concentration by more than the stated uncertainty. These certified concentrations are determined at NBS or with cooperating laboratories using either a definitive method, two or more independent methods, or reference methods. These methods and other certification criteria are carefully defined by Uriano and Gravatt (5). Constituent concentrations that are labeled as non-certified or informational are those that NBS has not measured by either a definitive or reference method.

A limitation of many of these standard reference materials has been the restricted number of constituents that NBS can afford to certify in each material. Numerous investigators outside NBS have published concentration data on constituents in these reference materials. Although several brief review articles on NBS standard reference materials have appeared in the literature, we believe that the user should have access to both the summarized mean concentrations and all the data on which they are based. This philosophy was the basis of the previous compilation effort (1). Since no abstracting service has a category "standard reference materials", the widely scattered data in reports, articles, books, and proceedings have been collected only with difficulty.

There has been continuing controversy among compilers concerning the determination and reporting of final compositional information on standard reference materials (6-12). Flanagan has used "recommended", "average", and "magnitude" to characterize his "estimates" for major components and trace elements (13). Abbey has coined the term "usable value" for some of his results and pioneered the "select laboratories" approach to arrive at overall compositional information (11,14). Gladney and Goode elected to report only "mean values" and associated standard deviations without further attempt to assess the varying quality of data determined by different analytical techniques (15). For the French geostandards (CRPG, ANRT), Roubault, et al. (16), have considered "recommended", "preferred", and "proposed" values depending on the degree of confidence one can attach to the data. Steele, et al. (17), have reported "recommended" values in the six NIMROC rock samples using some statistical methods. Gladney, et al. (18), chose the term "consensus values" to describe their mean values calculated for USGS rocks after judgemental elimination of initial outliers.

Approaches to value judgement of data quality can be debated endlessly. The responsibility for the informed end of these compiled data lies with the individual investigator. Each should read our methodology carefully so that he may decide for himself its limitations. The values in the tables must not be used uncritically. All data behind our mean values are presented in the appendices so that any investigator may recalculate them to reflect his own experience whenever desired.

## 2. Data Compilation

A key to the 75 standard reference materials included in this document is provided in Table 1, along with certification and revised certification dates. All NBS certified and informational values for these standard reference materials are reported in the individual mean value tables for ease of comparison. The certified values have uncertainties stated, while informational values do not.

The 54 major journals in analytical chemistry, geology, petrology, geochemistry, and environmental science that were surveyed are shown in Table 2. Less comprehensive coverage of books and institutional reports for 1972-1982 has been achieved. More than 850 different references containing original data on NBS materials were located. All individual data, their uncertainties (where provided), their references, and the analytical techniques used are given in Appendices A through GGG.

All individual data thus located were assembled using a PDP-11/34 minicomputer with an RSX-11M (version 4.0) operating system, an RA-80 121 Mb fixed-media disc drive, three RL-02 10 Mb cartridge disc drives, and a Datatrieve-11 software package (all are registered trademarks of the Digital Equipment Corporation, Manard, Massachusetts). Datatrieve-11 (version 2.0) is an interactive data storage and maintenance software system which provides facilities for selective data retrival, updating, sorting, formatting, and report generation with a minimum of programming overhead. Data were hand entered into the system via terminal keyboard from copies of the original papers. Details of our Datatrieve-11 based data management system are being published elsewhere (19).

Data were first sorted by material, then constituent, and finally in ascending order of concentration for each constituent (this can be accomplished in a single operation within Datatrieve). Some subjective criteria, as discussed by Abbey (10), were used to eliminate data on either end of the reported concentration spectrum that we judged to be beyond the limits of acceptability. Following these subjective eliminations (less than 0.5% of the total data), an initial mean and standard deviation was computed using all remaining data for a given constituent in each SRM by passing the Datatrieve ASCII output file through a program which encoded numerical values and performed mean and standard deviation calculations.

All data points now outside +/- two standard deviations from the initial mean were dropped and a second mean and standard deviation recomputed. These final means and associated standard deviations are reported in Tables 3 to 24 for up to 88 constituents. The number in parentheses following each entry indicates the number of literature

values used to calculate the final mean. Where sufficient data exist, the median was also determined using all data other than "less-than" values.

The compiled data were then resorted first by material, then constituent, and finally by analytical method. An iterative mean and standard deviation (using +/- 2s for elimination) were again calculated for groups of analytical methods which had more than two data points (i.e., ITNA, IENA, RTNA, RENA, NAA, and DNA were all combined into NAA; WSRF, EXRF, and XRF into XRF, etc.). These analytical method means and standard deviations are also included in the tables when sufficient data exist. The key for analytical methods codes is given in Table 25.

Mean values in Tables 3 to 24 which are based upon less than three data points do not include standard deviations (e.g., B in 1566, Table 3). In a few cases the data reported had such a wide range as to render the mean +/- one standard deviation value meaningless. Such cases are reported as ranges only (no standard deviation specified). Additionally, there are a few elements where only upper limit data exist, and these are given as limit values in the tables (e.g., Be in 1570, Table 5).

## 3. Discussion

Our mean values for major and minor elements in standard reference materials can be subjected to two tests commonly used by rock analysts. "Whole rock" summations can be calculated from elemental data when oxygen data are available, or the elements can be converted to stoichiometric oxides and then summed. The latter approach is inappropriate for coals, oils, biologicals, and non-silicate rocks where many elements are not in oxide forms. "Iron-oxide compatability" can also be determined when concentration data on the two forms of iron oxide have been established. Since we have not located any reports of oxygen determination in any of the biological standard reference materials, the summation test cannot yet be applied. Furthermore, the absence of reported iron oxide data render that test impossible. There is sufficient oxygen data on five coal and fly ash materials to attempt the "whole rock" summation. It is important that all concentration data used are on a "dry-weight" basis. The large water content of SRM 1635 makes its compiled data suspect in this regard. The results of this calculation are shown in Table 26. Summations of 99 to 101% are considered a good indication that the major and minor element data are reasonably accurate and internally consistent. Three of the five materials investigated fall within this range. The primary reason for the "high" values for 1632A and 1633 is the uncertainty in the carbon (+/- 4%) and silicon (+/- 1.1%) mean values, respectively. In light of these uncertainties, their summations are also quite acceptable. In the future it is hoped that good oxygen data will be available so that this approach can be applied to the biologicals. These calculations will be presented on other geological standard reference materials when the quantity of data is sufficient.

The growth of the body of standard reference material data is shown in Table 27. A summary of total numbers of elemental measurements reported in this compilation as a function of matrix is shown in Figs. 1 and 2 for biological and geological matrices. There are a total of 6088 reports for biological materials 1566 to 1577A, and a total of 5105 reports for geological and environmental materials 278, 610-617, 688, 1630-1635, and 1645-1646. A summary of these two groups of data by general analytical method is given in Table 28. As seen in the first compilation (1) neutron activation techniques continue to lead the field followed at some distance by atomic absorption.

The key to the analytical methods code (ANAL-METH) is given in Table 25. The key to the COMMENT code is given in Table 29. All data reported as oxides in the original references were converted to elemental form using the conversion factors shown in Table 30. The individual data (CONC), their uncertainties when provided (UNCER), analytical technique used (ANAL-METH), the exact data points eliminated during mean value calculations (* under COMMENT), and the individual references are given in Tables A to GGG for each SRM. These tables were generated with the Datatrieve-11 report writing facilities and the DEC Keypad editor, and printed on a Twintrack Qume printer. Data which were reported as "greater-than" values have not been included, and "less-than" values are shown as a blank under concentration with the upper limit given as the uncertainty and with L* under COMMENT. The data have been sorted in ascending order based upon material, constituent, and concentration using Datatrieve-11. All the references (REF-CODE and REF-NUM) have been coded and identified in Table HHH. The code consists of the last two digits of the year of publication plus the first three letters of the first author's last name. The two digit numerical suffix is provided to enable handling of multiple reports by the same first author in the same year. This particular reference coding system was adopted in preference to sequential numbering used in the first edition (1) to permit rapid searching of the reference file using Datatrieve-11 and to permit easy updating of both the reference and data files without the necessity of renumbering the references. Since over 3400 references with data on various NBS, USGS, and CCRMP materials are now in our system, these considerations are extremely important.

## 4. Conclusion

Although we have endeavored to achieve as wide a coverage of the literature as possible, we realize that this compilation is incomplete. We request that the users of this compilation call our attention to errors or omissions and they will be corrected or included in future editions. Any investigators with unpublished results on NBS, U. S. Geological Survey (USGS), or Canadian Certified Reference Materials Project (CCRMP) reference materials are urged to send their data to the first author and it will be placed in our computer data base with appropriate reference to the source.

We are indebted to all the compilers of reference materials data who have preceeded us. We especially thank Sydney Abbey (Geological Survey of Canada) who has maintained a voluminous correspondence with the first author on various aspects of data compilation. Our effort has greatly benefited from his willingness to share his experience and his informed criticism. We also thank William Goode (DEC) who helped us establish our original data management framework and Kathy Derouin (Los Alamos Group HSE-8) who was instrumental in producing the large mean value tables.

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TABLE 1

NATIONAL BUREAU OF STANDARDS BIOLOGICAL, ENVIRONMENTAL, AND GEOLOGICAL STANDARD REFERENCE MATERIALS

| SRM NUMBER | NAME | CERTIFICATION DATE |
|---|---|---|
| 1A | Argillaceous Limestone | 1931 |
| 1b | Argillaceous Limestone | 1966 |
| 1c | Argillaceous Limestone | 1978 |
| 70 | Feldspar | 1926 |
| 70a | Feldspar | 1981 |
| 76 | Burnt Refractory | 1927,1955 |
| 77 | Burnt Refractory | 1927,1955 |
| 88 | Dolomite | 1928 |
| 88A | Dolomite Limestone | 1967,1982 |
| 91 | Opal Glass | 1931 |
| 97 | Flint Clay | 1931 |
| 97A | Flint Clay | 1969 |
| 98 | Plastic Clay | 1931 |
| 98A | Plastic Clay | 1969 |
| 99 | Soda Feldspar | 1931 |
| 99A | Feldspar | 1981 |
| 120A | Phosphate Rock (Florida) | 1961 |
| 120B | Phosphate Rock (Florida) | 1972,1979 |
| 278 | Obsidian Rock | 1981 |
| 610 | Trace Elements in Glass (500 ppm) | 1970,1972 |
| 612 | Trace Elements in Glass (50 ppm) | 1970,1972,1982 |
| 614 | Trace Elements in Glass (1 ppm) | 1970,1972,1982 |
| 616 | Trace Elements in Glass (0.02 ppm) | 1970,1972,1982 |
| 688 | Basalt Rock | 1981 |
| 950A | Uranium Oxide | 1961 |
| 950B | Uranium Oxide | 1981 |
| 1566 | Oyster Tissue | 1979,1983 |
| 1567 | Wheat Flour | 1978 |
| 1568 | Rice Flour | 1978 |
| 1569 | Brewer's Yeast | 1976 |
| 1570 | Trace Elements in Spinach | 1976 |
| 1571 | Orchard Leaves | 1971,1976,1977 |
| 1572 | Citrus Leaves | 1982 |
| 1573 | Tomato Leaves | 1976 |
| 1575 | Pine Needles | 1976 |
| 1577 | Bovine Liver | 1972,1977 |
| 1577a | Bovine Liver | 1982 |
| 1619 | Sulfur in Residual Fuel Oil | 1981 |
| 1620a | Sulfur in Residual Fuel Oil | 1981 |
| 1621 | Sulfur in Residual Fuel Oil | 1967 |
| 1621a | Sulfur in Residual Fuel Oil | 1980 |
| 1621b | Sulfur in Residual Fuel Oil | 1981 |
| 1622a | Sulfur in Residual Fuel Oil | 1979 |
| 1622b | Sulfur in Residual Fuel Oil | 1981 |
| 1623 | Sulfur in Residual Fuel Oil | 1971 |
| 1623a | Sulfur in Residual Fuel Oil | 1981 |

TABLE 1 (Cont)

| SRM NUMBER | NAME | CERTIFICATION DATE |
|---|---|---|
| 1624 | Sulfur in Distillate Fuel Oil | 1971 |
| 1624a | Sulfur in Distillate (Diesel) Fuel Oil | 1981 |
| 1630 | Trace Mercury in Coal | 1971 |
| 1631A | Sulfur in Coal | 1973,1974 |
| 1631B | Sulfur in Coal | 1973,1974 |
| 1631C | Sulfur in Coal | 1973,1974 |
| 1632 | Trace Elements in Coal | 1974 |
| 1632A | Trace Elements in Coal (Bituminous) | 1983 |
| 1633 | Trace Elements in Coal Fly Ash | 1975 |
| 1633A | Trace Elements in Coal Fly Ash | 1979 |
| 1634 | Trace Elements in Fuel Oil | 1975 |
| 1634A | Trace Elements in Fuel Oil | 1982 |
| 1635 | Trace Elements in Coal (Subbituminous) | 1978 |
| 1641 | Mercury in Water - Concentrate | 1975 |
| 1642 | Mercury in Water - Trace | 1974 |
| 1642A | Mercury in Water - ng/ml | 1977 |
| 1643 | Trace Elements in Water | 1977 |
| 1643A | Trace Elements in Water | 1980 |
| 1645 | River Sediment | 1978 |
| 1646 | Estuarine Sediment | 1982 |
| 1648 | Urban Particulate Matter | 1978 |
| 1649 | Urban Dust/Organics | 1982 |
| 2682 | Sulfur in Coal | 1982,1983 |
| 2683 | Sulfur in Coal | 1982,1983 |
| 2684 | Sulfur in Coal | 1982,1983 |
| 2685 | Sulfur in Coal | 1982,1983 |
| 4350 | Environmental Radioactivity Standard: River Sediment | 1975 |
| 4350B | Environmental Radioactivity | 1981 |
| 4353 | Environmental Radioactivity | 1981 |

TABLE 2: LITERATURE SURVEYED

| JOURNAL | VOLUME NUMBERS |
|---|---|
| Analysis | 1 - 10 |
| Analyst | 97 - 107 |
| Analytica Chimica Acta | 53 - 143 |
| Analytical Chemistry | 44 - 54 |
| Analytical Letters | 1 - 15 |
| Analytical Proceedings Published by the Royal Society of Chemistry (London) | 17 - 19 |
| Annales de la Societe Geologique de Belgique | 91 - 105 |
| Applied Spectroscopy | 25 - 36 |
| Atomic Absorption Newsletter | 1 - 18 |
| Atomic Spectroscopy | 1 - 3 |
| Biological Trace Element Research | 1 - 4 |
| Bulletin des Societes Chimiques Belges | 80 - 90 |
| Canadian Journal of Earth Sciences | 9 - 19 |
| Canadian Journal of Spectroscopy | 20 - 27 |
| Chemical Geology | 13 - 37 |
| Comptes-Rendus Hebdomadaires des Seances de l'Academie des Sciences (Paris) | 272 - 292 |
| Contributions to Mineralogy and Petrology | 36 - 80 |
| Earth and Planetary Science Letters | 1 - 61 |
| Environmental Letters | 1 - 10 |
| Environmental Pollution | 1 - 29 |
| Environmental Research | 1 - 28 |
| Environmental Science and Technology | 5 - 16 |
| Fresenius' Zeitschrift fur Analytische Chemie | 244 - 313 |
| Geochemistry International (translations from Geokhimiya) | 9 - 18 |
| Geophysical Research Letters | 1 - 9 |
| Geochimica et Cosmochimica Acta | 36 - 46 |
| Geostandards Newsletter | 1 - 6 |
| Geochemical Journal | 7 - 16 |
| International Journal of Applied Radiation and Isotopes | 23 - 33 |
| International Journal of Environmental Analytical Chemistry | 1 - 12 |
| International Journal of Environmental Studies | 1 - 19 |
| Journal of Analytical Chemistry of USSR (translations of Zhurnal Analiticheskoi Khimii) | 26 - 36 |
| Journal of Environmental Quality | 1 - 11 |
| Journal of Environmental Science and Health | 11 - 17 |
| Journal of Geochemical Exploration | 1 - 17 |
| Journal of Petrology | 12 - 23 |
| Journal of Radioanalytical Chemistry | 10 - 72 |
| Journal of Research of the USGS | 1 - 6 |
| Journal of the Association of Official Analytical Chemists | 55 - 65 |
| Journal of the Geological Society (London) | 127 - 138 |
| Journal of Volcanology and Geothermal Research | 1 - 14 |
| Lithos | 4 - 15 |
| Marine Geology | 12 - 44 |
| Microchemical Journal | 17 - 27 |
| Mikrochimica Acta (Wien) | 1972 - 1982 |
| Mineralogy Magazine | 40 - 46 |
| Nuclear Instruments and Methods | 114 - 172 |
| Precambrian Research | 1 - 18 |
| Proceedings of the Analytical Division of the Chemical Society (London) | 11 - 16 |
| Radiochimica Acta | 17 - 31 |
| Radiochemical and Radioanalytical Letters | 1 - 54 |
| Sedimentology | 16 - 28 |
| Talanta | 19 - 29 |
| X-Ray Spectrometry | 1 - 11 |

TABLE 3
ELEMENTAL CONCENTRATIONS IN NBS OYSTER TISSUE, BREWERS YEAST, AND CITRUS LEAVES STANDARD REFERENCE MATERIALS

| | | 1566 | | | 1569 | | | 1572 | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Literature | | | Literature | | | Literature |
| Element | Unit | NBS (1979) | $\bar{x} \pm s$ (n) | Range | NBS (1976) | $\bar{x} \pm s$ (n) | Range | NBS (1982) | $\bar{x} \pm s$ (n) |
| Ag | ppb | 890 ± 90 | --- | --- | --- | --- | --- | --- | --- |
| Al | ppm | --- | --- | --- | --- | 2150 (2) | 2000 - 2300 | 92 ± 15 | --- |
| As | ppm | 13.4 ± 1.9 | 12.6 ± 0.5 (4) | 12.2 ± 15.5 | --- | 0.59 ± 0.07 (3) | 0.53 - 0.67 | 3.1 ± 0.3 | 3.10 (2) |
| B | ppm | --- | 7 (1) | --- | --- | 6.2 (1) | --- | --- | --- |
| Ba | ppm | --- | --- | --- | --- | --- | --- | 21 ± 3 | --- |
| Br | ppm | 55 | 112 (2) | 45 - 180 | --- | 3.7 (2) | 0.65 - 6.7 | 8.2 | --- |
| Ca | ppm | 1500 ± 200 | 2500 ± 1700 (3) | 880 - 4500 | --- | 2400 ± 100 (4) | 2270 - 2490 | 31500 ± 1000 | --- |
| Cd | ppm | 3.5 ± 0.4 | 3.38 ± 0.17 (6) | 3.20 - 3.61 | --- | 0.17 ± 0.09 (4) | 0.08 - 0.29 | 0.03 ± 0.01 | --- |
| Ce | ppm | --- | --- | --- | --- | 2.3 (1) | --- | 0.28 | --- |
| Cl | % | 1.0 | --- | --- | --- | 0.046 (1) | --- | 0.0414 | --- |
| Co | ppb | 400 | 340 (1) | --- | --- | 280 (1) | --- | 20 | --- |
| Cr | ppm | 0.69 ± 0.27 | 0.55 ± 0.18 (3) | 0.34 - 0.70 | 2.12 ± 0.05 | 1.81 ± 0.46 (17) | 0.078 - 2.17 | 0.8 ± 0.2 | --- |
| Cs | ppb | --- | --- | --- | --- | <200 (1) | --- | 98 | --- |
| Cu | ppm | 63.0 ± 3.5 | 62 ± 1 (4) | 61.0 - 189 | --- | 16 ± 3 (5) | 11.0 - 184 | 16.5 ± 1.0 | 16.5 (2) |
| Eu | ppb | --- | 20 (1) | --- | --- | 20 (1) | --- | 10 | --- |
| F | ppm | 5.2 | 5.2 (2) | 4.9 - 5.4 | --- | 14.5 (2) | 14 - 15 | --- | --- |
| Fe | ppm | 195 ± 34 | 195 ± 11 (6) | 178 - 576 | --- | 630 ± 80 (5) | 257 - 707 | 90 ± 10 | 96 (2) |
| Ga | ppm | --- | --- | --- | --- | 7.1 (1) | --- | --- | --- |
| Hf | ppb | --- | --- | --- | --- | 130 (1) | --- | --- | --- |
| Hg | ppb | 57 ± 15 | 40 (1) | --- | --- | 22 (1) | --- | 80 ± 20 | --- |
| I | ppm | 2.8 | 3.1 ± 0.2 (4) | 2.3 - 3.2 | --- | 0.06 (1) | --- | --- | --- |
| K | % | 0.969 ± 0.005 | 0.95 ± 0.06 (4) | 0.87 - 1.89 | --- | 1.52 ± 0.11 (6) | 1.40 - 1.71 | 1.82 ± 0.06 | 1.79 (2) |
| La | ppb | --- | --- | --- | --- | --- | --- | 190 | --- |
| Mg | ppm | 1280 ± 90 | 1370 ± 8 (3) | 1280 - 1430 | --- | 1850 ± 100 (5) | 1730 - 1980 | 5800 ± 300 | 5600 (2) |
| Mn | ppm | 17.5 ± 1.2 | 17.3 ± 1.3 (6) | 3.0 - 49 | --- | 10.0 ± 0.7 (5) | 7.0 - 10.9 | 23 ± 2 | 24 (2) |
| Mo | ppm | ≤0.2 | 0.1 (1) | --- | --- | 3.6 ± 0.3 (4) | 3.3 - 3.9 | 0.17 ± 0.09 | --- |
| N | % | --- | --- | --- | --- | --- | --- | 2.86 | --- |
| Na | ppm | 5100 ± 300 | 4800 (2) | 4600 - 4920 | --- | 590 (2) | 510 - 670 | 160 ± 20 | --- |
| Ni | ppm | 1.03 ± 0.19 | 0.94 (2) | 0.92 - 0.97 | --- | 5.3 ± 0.7 (4) | 4.6 - 6.0 | 0.6 ± 0.3 | --- |
| P | % | 0.81 | 0.778 ± 0.012 (4) | 0.76 - 0.79 | --- | 1.04 ± 0.03 (4) | 1.00 - 1.08 | 0.13 ± 0.02 | --- |
| Pb | ppb | 480 ± 40 | 478 ± 25 (10) | 440 - 510 | --- | 350 (2) | 200 - 500 | 13.3 ± 2.4 | --- |
| Rb | ppm | 4.45 ± 0.09 | 20 (1) | --- | --- | 16 (1) | --- | 4.84 ± 0.06 | --- |
| S | ppm | 7600 | --- | --- | --- | --- | --- | 4070 ± 90 | --- |
| Sb | ppb | --- | 150 (1) | --- | --- | 150 (2) | 75 - 230 | 40 | --- |
| Sc | ppb | --- | 89 (1) | --- | --- | 200 (2) | 180 - 220 | 10 | --- |
| Se | ppm | 2.1 ± 0.5 | 2.1 ± 0.3 (3) | 1.8 - 2.4 | --- | 0.97 ± 0.05 (3) | 0.92 - 1.01 | 0.025 | --- |
| Sm | ppb | --- | --- | --- | --- | --- | --- | 52 | --- |
| Sn | ppb | --- | --- | --- | --- | --- | --- | --- | --- |
| Sr | ppm | 1036 ± 0.56 | 51 (2) | 9.9 - 92 | --- | --- | --- | 100 ± 2 | --- |
| Te | ppb | --- | --- | --- | --- | --- | --- | 20 | --- |
| Th | ppm | 0.1 | --- | --- | --- | 3.7 (1) | --- | --- | --- |
| Ti | ppm | --- | --- | --- | --- | 38 (1) | --- | --- | --- |
| Tl | ppb | ≤ 5 | --- | --- | --- | --- | --- | ≤10 | --- |
| U | ppb | 116 ± 6 | 126 (1) | --- | --- | 467 ± 15 (7) | 441 - 490 | ≤150 | 41 (1) |
| U-238/235 | | --- | --- | --- | --- | 137.7 (1) | --- | --- | --- |
| V | ppm | 2.8 | 2.4 (1) | --- | --- | 3.3 ± 1.6 (3) | 1.5 - 4.4 | --- | --- |
| Zn | ppm | 852 ± 14 | 863 ± 12 (6) | 750 - 2953 | --- | 65 ± 3 (9) | 30 - 70 | 29 ± 2 | 30 (2) |

## TABLE 4

## ELEMENTAL CONCENTRATIONS IN NBS WHEAT FLOUR, RYE FLOUR, AND NEW BOVINE LIVER STANDARD REFERENCE MATERIALS

| | | 1567 | | | 1568 | | | 1577a |
|---|---|---|---|---|---|---|---|---|
| | | | Literature | | | Literature | | |
| Element | Units | NBS (1978) | $\bar{x} \pm s$ (n) | Range | NBS (1978) | $\bar{x} \pm s$ (n) | Range | NBS (1982) |
| Ag | ppb | --- | --- | --- | --- | --- | --- | 40 ± 10 |
| Al | ppm | --- | --- | --- | --- | --- | --- | 2 |
| As | ppb | 6 | 5.6 ± 0.3 (4) | 5.4 - 30 | 410 ± 50 | 415 ± 26 (12) | 90 - 460 | 47 ± 6 |
| B | ppm | --- | 1.5 (1) | --- | --- | <1 (1) | --- | --- |
| Be | ppb | --- | <30 (1) | --- | --- | --- | --- | --- |
| Bi | ppb | --- | <8 (1) | --- | --- | <8 (1) | --- | --- |
| Br | ppm | 9 | 9.9 (1) | --- | 1 | 1.23 (1) | --- | 9 |
| Ca | ppm | 190 ± 10 | 190 ± 9 (12) | 173 - 199 | 140 ± 20 | 146 ± 3 (9) | 142 - 151 | 120 ± 7 |
| Cd | ppb | 32 ± 7 | 33 ± 10 (7) | 20 - 50 | 29 ± 4 | 36 ± 18 (4) | 20 - 60 | 440 ± 60 |
| Cl | ppm | --- | --- | --- | --- | --- | --- | 2800 ± 100 |
| Co | ppb | --- | 21 (1) | --- | 20 ± 10 | 18 (1) | --- | 210 ± 50 |
| Cr | ppb | --- | 350 (2) | 300 - 400 | --- | 140 (2) | 80 - 200 | --- |
| Cs | ppb | --- | <200 (1) | --- | --- | <200 (1) | --- | --- |
| Cu | ppm | 2.0 ± 0.3 | 1.98 ± 0.09 (8) | 1.80 - 2.06 | 2.2 ± 0.3 | 2.02 ± 0.13 (5) | 1.90 - 2.20 | 158 ± 7 |
| F | ppb | --- | 40 (1) | --- | --- | 190 (2) | 180 - 200 | --- |
| Fe | ppm | 18.3 ± 1.0 | 18.1 ± 0.9 (10) | 17.0 - 19.6 | 8.7 ± 0.6 | 8.2 ± 0.9 (7) | 7.1 - 9.4 | 194 ± 20 |
| Ge | ppb | --- | <20 (1) | --- | --- | <20 (1) | --- | --- |
| Hg | ppb | 1.0 ± 0.8 | 1.0 (1) | --- | 6.0 ± 0.7 | 6.0 (2) | 5.6 - 6.4 | 4 ± 2 |
| I | ppb | --- | --- | --- | --- | 12 (2) | 11 - 12 | --- |
| K | ppm | 1360 ± 40 | 1316 ± 11 (5) | 1300 - 1392 | 1120 ± 20 | 1100 ± 90 (4) | 965 - 1150 | 9960 ± 70 |
| Mg | ppm | --- | 414 ± 12 (5) | 398-429 | --- | 510 (2) | 510 | 600 ± 15 |
| Mn | ppm | 8.5 ± 0.5 | 8.4 ± 0.2 (8) | 6.7 - 9.9 | 20.1 ± 0.4 | 20.1 ± 0.7 (6) | 19.1 - 21.4 | 9.9 ± 0.8 |
| Mo | ppm | 0.4 | 0.402 ± 0.018 (5) | 0.38 - 0.42 | 1.6 | 1.59 ± 0.01 (3) | 1.59 - 1.60 | 3.5 ± 0.5 |
| N | % | --- | --- | --- | --- | --- | --- | 10.7 |
| Na | ppm | 8.0 ± 1.5 | 10.4 (1) | --- | 6.0 ± 1.5 | 6.9 (1) | --- | 2430 ± 130 |
| Ni | ppb | 180 | 180 (2) | 160 - 200 | 160 | 155 (2) | 150 - 160 | --- |
| P | ppm | --- | 1380 ± 30 (5) | 1350 - 1420 | --- | 1620 (2) | 1600 - 1630 | 11100 ± 400 |
| Pb | ppb | --- | 18 (1) | --- | --- | 32 (2) | 30 - 35 | 135 ± 15 |
| Rb | ppm | 1 | 0.99 (1) | --- | 7 | 7.3 (1) | --- | 12.5 ± 0.1 |
| S | ppm | --- | --- | --- | --- | --- | --- | 7800 ± 100 |
| Sb | ppb | --- | 38 (1) | --- | --- | 5 (1) | --- | 3 |
| Se | ppm | 1.1 ± 0.2 | 0.99 ± 0.10 (20) | 0.70 - 1.17 | 0.4 ± 0.1 | 0.38 ± 0.06 (21) | 0.28 - 0.48 | 0.71 ± 0.07 |
| Sn | ppb | --- | <20 (1) | --- | --- | <20 (1) | --- | --- |
| Sr | ppb | --- | --- | --- | --- | --- | --- | 138 ± 3 |
| Te | ppb | ≤2 | --- | --- | ≤2 | --- | --- | --- |
| Tl | ppb | --- | --- | --- | --- | --- | --- | 3 |
| U | ppb | --- | 0.95 (1) | --- | --- | 0.89 (1) | --- | 0.71 ± 0.03 |
| V | ppb | --- | <50 (1) | --- | -- | <50 (1) | --- | --- |
| Zn | ppm | --- | 10.8 ± 0.3 (9) | 10.2 - 11.3 | 19.4 ± 1.0 | 19.8 ± 0.4 (6) | 19.3 - 21.3 | 123 ± 8 |

TABLE 5

ELEMENTAL CONCENTRATIONS IN NBS SRM 1570: SPINACH

| Element | Units | NBS (1976) | Literature | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | $\bar{x} \pm s$ (n) | Median | Range | Individual $\bar{x} \pm s$ by Analytical Technique | | | | |
| | | | | | | AA | ASV | ICPES | NAA | XRF |
| Ag | ppb | --- | 65 (2) | --- | 65 | --- | --- | --- | --- | --- |
| Al | ppm | 870 ± 50 | 830 ± 40 (5) | 824 | 482 - 1190 | --- | --- | --- | 910 ± 160 (5) | --- |
| As | ppb | 150 ± 50 | 163 ± 12 (12) | 160 | 62 - 180 | 155 ± 19 (8) | --- | --- | 166 ± 17 (3) | --- |
| Au | ppb | --- | 1.2 (2) | --- | 0.4 - 2.0 | --- | --- | --- | --- | --- |
| B | ppm | 30 | 24 (2) | --- | 20.9 - 28 | --- | --- | --- | --- | --- |
| Ba | ppm | --- | 50 (2) | --- | 13.1 - 87 | --- | --- | --- | --- | --- |
| Be | ppb | --- | <30 (4) | --- | --- | --- | --- | --- | --- | --- |
| Bi | ppb | --- | <8 (1) | --- | --- | --- | --- | --- | --- | --- |
| Br | ppm | 54 | 48 ± 4 (12) | 47.2 | 42 - 138 | --- | --- | --- | 48 ± 4 (12) | --- |
| C | % | --- | 40.8 (1) | --- | --- | --- | --- | --- | --- | --- |
| Ca | % | 1.35 ± 0.03 | 1.37 ± 0.12 (16) | 1.36 | 0.82 - 2.45 | --- | --- | 1.38 ± 0.13 (9) | 1.38 ± 0.13 (5) | 1.68 ± 0.68 (3) |
| Cd | ppm | 1.5 | 1.5 ± 0.2 (20) | 1.45 | 1.2 - 2.8 | 1.5 ± 0.3 (6) | 1.25 ± 0.06 (3) | 1.8 ± 0.5 (8) | 1.52 ± 0.14 (4) | --- |
| Ce | ppb | --- | 240 (1) | --- | --- | --- | --- | --- | --- | --- |
| Cl | ppm | --- | 6500 ± 400 (5) | 6650 | 6000 - 10 000 | --- | --- | --- | 6500 ± 400 (5) | |
| Co | ppm | 1.5 | 1.58 ± 0.12 (10) | 1.55 | 0.9 - 3.2 | 2.1 ± 1.0 (3) | --- | --- | 1.58 ± 0.12 (8) | --- |
| Cr | ppm | 4.6 ± 0.3 | 5.5 ± 4.3 (23) | 4.7 | 3.06 - 24.8 | 4.3 ± 0.9 (6) | --- | 4.3 ± 1.0 (6) | 4.7 ± 0.3 (6)<br>22 ± 2 (7) | --- |
| Cs | ppb | --- | 180 ± 140 (4) | --- | 48 - 320 | --- | --- | --- | 180 ± 140 (4) | |
| Cu | ppm | 12 ± 2 | 11.8 ± 0.6 (25) | 11.9 | 9.1 - 13.2 | 12.4 ± 0.6 (6) | --- | 11.6 ± 0.6 (9) | 11.5 ± 0.3 (5) | |
| Eu | ppb | 20 | 17 (2) | --- | 14 - 20 | --- | --- | --- | --- | --- |
| F | ppm | --- | 4.4 (2) | --- | 4.3 - 4.4 | --- | --- | --- | --- | --- |
| Fe | ppm | 550 ± 20 | 536 ± 33 (25) | 541 | 178 - 1200 | 540 ± 30 (4) | --- | 520 ± 30 (10) | 570 ± 50 (7) | 770 ± 370 (3)[a] |
| Ge | ppb | --- | <20 (1) | --- | --- | --- | --- | --- | --- | --- |
| H | % | --- | 5.57 (2) | --- | 5.54 - 5.60 | --- | --- | --- | --- | --- |
| Hf | ppb | --- | 40 (1) | --- | --- | --- | --- | --- | --- | --- |
| Hg | ppb | 30 ± 5 | 30 ± 4 (5) | 32 | 25 - 110 | 29 ± 4 (3) | --- | --- | 57 ± 46 (3) | --- |
| I | ppm | --- | 1.22 ± 0.12 (5) | 1.27 | 1.08 - 1.32 | --- | --- | --- | 1.25 ± 0.12 (4) | --- |
| In | ppb | --- | 1.2 (2) | --- | 1.2 - 1.3 | --- | --- | --- | --- | --- |
| K | % | 3.56 ± 0.03 | 3.58 ± 0.15 (18) | 3.60 | 3.26 - 7.95 | --- | --- | 3.60 ± 0.17 (9) | 3.56 ± 0.17 (7) | 5.6 ± 2.1 (3)[a] |
| La | ppb | 370 | 310 ± 40 (3) | --- | 260 - 350 | --- | --- | --- | 310 ± 50 (3) | --- |
| Lu | ppb | --- | <5 (1) | --- | --- | --- | --- | --- | --- | --- |
| Mg | ppm | --- | 8700 ± 600 (12) | 8700 | 7000 - 9800 | --- | --- | 8740 ± 160 (8) | 8700 ± 1300 (3) | --- |
| Mn | ppm | 165 ± 6 | 165 ± 9 (25) | 165 | 1.3 - 684 | 148 ± 24 (6) | --- | 165 ± 5 (9) | 162 ± 23 (8) | 340 ± 290 (3) |
| Mo | ppb | --- | 280 ± 80 (5) | 300 | 200 - 400 | --- | --- | 280 ± 100 (4)[b] | --- | --- |
| N | % | 5.9 | 5.81 (2) | --- | 5.62 - 6.00 | --- | --- | --- | --- | --- |
| Na | % | --- | 1.40 ± 0.14 (10) | 1.44 | 1.13 - 1.56 | --- | --- | --- | 1.37 ± 0.13 (8) | --- |
| Ni | ppm | 6 | 6.0 ± 1.1 (16) | 5.46 | 1.3 - 8.1 | --- | --- | 5.5 ± 0.5 (7)[a] | 5.4 ± 2.1 (5) | --- |
| P | ppm | 5500 ± 200 | 5420 ± 250 (12) | 5350 | 4500 - 6000 | --- | --- | 5400 ± 250 (10) | --- | --- |
| Pb | ppm | 1.2 ± 0.2 | 1.13 ± 0.16 (22) | 1.10 | 0.8 - 2.0 | 1.20 ± 0.13 (14) | 1.11 ± 0.10 (4) | 0.87 ± 0.12 (3) | --- | --- |
| Pd | ppb | --- | <2. (1) | --- | --- | --- | --- | --- | --- | --- |
| Pr | ppb | --- | <60 (1) | --- | --- | --- | --- | --- | --- | --- |
| Rb | ppm | 12.1 ± 0.2 | 12 ± 3 (5) | 11.5 | 10 - 39 | --- | --- | --- | 12 ± 3 (5) | --- |

[a]Only two analysts reporting.

[b]Only one analyst reporting.

TABLE 5 (cont)

ELEMENTAL CONCENTRATIONS IN NBS SRM 1570: SPINACH

| Element | Units | NBS (1976) | Literature | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Individual $\bar{x} \pm s$ by Analytical Technique | | | | |
| | | | $\bar{x} \pm s$ (n) | Median | Range | AA | ASV | ICPES | NAA | XRF |
| S | ppm | --- | 2400 (1) | --- | --- | --- | --- | --- | --- | --- |
| Sb | ppb | 40 | 40 ± 10 (6) | 41 | 14 - 690 | --- | --- | --- | 40 ± 10 (6) | |
| Sc | ppb | 160 | 168 ± 11 (7) | 170 | 150 - 470 | --- | -- | --- | 169 ± 11 (7) | --- |
| Se | ppb | --- | 40 ± 14 (9) | 38 | 24 - 510 | 34 (2) | --- | --- | 48 ± 19 (4) | --- |
| Sm | ppb | --- | 104 ± 86 (3) | --- | 33 - 200 | --- | --- | --- | 100 ± 90 (3) | --- |
| Sn | ppm | --- | 3.1 (1) | --- | --- | --- | --- | --- | --- | --- |
| Sr | ppm | 87 ± 2 | 120 ± 70 (3) | --- | 79 - 208 | --- | --- | --- | --- | --- |
| Ta | ppb | --- | 230 (1) | --- | --- | --- | --- | --- | --- | --- |
| Th | ppb | 120 ± 30 | 130 (2) | --- | 110 - 150 | --- | --- | --- | --- | --- |
| Ti | ppm | --- | 16 (1) | --- | --- | --- | --- | --- | --- | --- |
| Tl | ppb | 30 | 31 (1) | --- | --- | --- | --- | --- | --- | --- |
| U | ppb | 46 ± 9 | 44 (2) | --- | 42 - 45 | --- | --- | --- | --- | --- |
| V | ppm | --- | 1.18 ± 0.11 (6) | 1.16 | 1.06 - 1.70 | --- | --- | --- | 1.3 ± 0.3 (4) | --- |
| W | ppb | --- | 140 (1) | --- | --- | --- | --- | --- | --- | --- |
| Yb | ppb | --- | 2.0 (1) | --- | --- | --- | --- | --- | --- | --- |
| Zn | ppm | 50 ± 2 | 50 ± 4 (29) | 50 | 42 - 119 | 57 ± 10 (5) | --- | 49 ± 3 (7) | 49 ± 5 (7) | 77 ± 36 (3) |

TABLE 6

ELEMENTAL CONCENTRATIONS IN NBS SRM 1571: ORCHARD LEAVES

| Element | Units | NBS (1977) | Literature | | | Individual $\bar{x} \pm s$ by Analytical Technique | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | $\bar{x} \pm s$ (n) | Median | Range | AA | ICPES | NAA | OES | PAA | XRF | Others | |
| Ag | ppb | --- | 210 ± 350 (3) | --- | 13 - 620 | --- | --- | --- | --- | --- | --- | --- | --- |
| Al | ppm | --- | 320 ± 110 (41) | 347 | 99 - 824 | --- | 230 ± 110 (5) | 390 ± 60 (19) | 200 ± 60 (10) | --- | --- | --- | |
| As | ppm | 10 ± 2 | 10.7 ± 1.2 (125) | 10.5 | 1.10 - 38 | 10.7 ± 1.2 (34) | 10.4 ± 1.6 (8) | 10.7 ± 1.2 (59) | --- | 10.1 ± 1.2 (5) | 12.1 ± 2.2 (8) | 10.9 ± 1.7 (4) COLOR | 12 ± 6 (4) CPXRF |
| As (III) | ppm | --- | 4.9 (1) | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Au | ppb | --- | 1.4 ± 0.4 (13) | 1.5 | 0.78 - 3.5 | --- | --- | 1.4 ± 0.4 (3) | --- | --- | --- | --- | --- |
| B | ppm | 33 ± 3 | 33 ± 4 (29) | 32.9 | 16 40 | --- | 33 ± 5 (6) | --- | 32 ± 5 (11) | --- | --- | 35.3 ± 1.5 (4) CPAA | 33.1 ± 0.3 (3) TCGS |
| Ba | ppm | 44 | 43 ± 5 (29) | 43 | 0.3 80 | --- | 45 ± 6 (3)[a] | 42 ± 9 (21) | 44 ± 5 (5) | --- | --- | --- | --- |
| Be | ppb | 27 ± 10 | 24 ± 10 (5) | 30 | 13.7 - 110 | --- | --- | --- | --- | --- | --- | --- | --- |
| Bi | ppb | 100 | 92 ± 36 (4) | 110 | 4 64000 | --- | --- | --- | --- | --- | --- | 110 (3)[b] POL | --- |
| Br | ppm | 10 | 9.5 ± 1.1 (46) | 9 4 | 5.0 - 34 | --- | --- | 9.7 ± 1.1 (37) | --- | --- | 8.2 ± 1.3 (9) | --- | --- |
| C | % | --- | 46.2 ± 0.5 (5) | 46 2 | 45.76 - 52.0 | --- | --- | --- | --- | --- | --- | 46.0 ± 0.3 (3) CB | 46.5 (2) TCGS |
| Ca | % | 2.09 ± 0.03 | 2.04 ± 0.11 (72) | 2.04 | 1.58 - 5.01 | 2.04 ± 0.05 (7) | 2.04 ± 0.07 (10) | 2.03 ± 0.13 (22) | 2.01 ± 0.22 (12) | 2.06 ± 0.11 (4) | 2.02 ± 0.09 (9) | 1.99 (2) CPXRF | --- |
| Cd | ppb | 110 ± 10 | 118 ± 24 (57) | 110 | 70 - 2000 | 119 ± 30 (35) | 162 ± 29 (5) | 122 ± 31 (13) | --- | --- | --- | 129 ± 35 (3) AF | 100 (1) ASV |
| Ce | ppm | --- | 0.94 ± 0.09 (11) | 0.97 | 0.75 - 1.2 | --- | --- | 0.92 ± 0.08 (10) | --- | --- | --- | --- | --- |
| Cl | ppm | 690 | 730 ± 40 (31) | 730 | 53 - 950 | --- | --- | 730 ± 40 (19) | --- | 710 ± 20 (3) | 780 ± 20 (3) | --- | --- |
| Co | ppb | 200 | 160 ± 40 (38) | 180 | 100 460 | 180 ± 70 (5) | --- | 170 ± 50 (35) | --- | --- | --- | --- | --- |
| Cr | ppm | 2.6 ± 0.3 | 2.5 ± 0.3 (67) | 2.6 | 1.07 - 5.81 | 2.5 ± 0.3 (15) | 2.6 ± 0.6 (7) | 2.6 ± 0.4 (38) | --- | --- | --- | --- | --- |
| Cs | ppb | 40 | 35 ± 8 (13) | 38 | 20 - 150 | --- | --- | 38 ± 15 (13) | --- | --- | --- | --- | --- |
| Cu | ppm | 12 ± 1 | 12.1 ± 1.4 (113) | 12 | 3.6 - 35 | 11.9 ± 0.7 (30) | 11.8 ± 0.6 (12) | 11.9 ± 1.6 (29) | 14 8 ± 2.4 (12) | --- | 11.7 ± 2.8 (14) | 11.9 (1) ASV | 11.8 ± 0.8 (3) POL[a]<br>13.0 ± 3 (5) CPXRF |
| Dy | ppb | --- | 80 (2) | --- | 53 - 110 | --- | --- | --- | --- | --- | --- | --- | --- |
| Er | ppb | --- | 30 (1) | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Eu | ppb | --- | 23 ± 3 (13) | 25 | 20 - 300 | --- | --- | 24 ± 3 (14) | --- | --- | --- | --- | --- |
| F | ppm | 4 | 3.9 ± 0.5 (9) | 3.94 | 3.12 - 10 | --- | --- | --- | --- | --- | --- | 3.41 (2) COLOR | 4.1 ± 0.02 (5) ISE |
| Fe | ppm | 300 ± 20 | 284 ± 28 (109) | 289 | 121 - 884 | 270 ± 30 (17) | 280 ± 20 (14) | 290 ± 20 (37) | 230 ± 50 (12) | 320 ± 20 (3) | 290 ± 30 (16) | 280 ± 20 (5) COLOR | 312. (3) POL[a]<br>300 ± 130 (4) CPXRF |
| Ga | ppb | 80 | 88 ± 9 (4) | --- | 78 - 100 | --- | --- | 88 ± 9 (4) | --- | --- | --- | --- | --- |
| Gd | ppb | --- | 67 ± 56 (3) | --- | 1.6 - 100 | --- | --- | --- | --- | --- | --- | --- | --- |
| Ge | ppb | --- | 150 (1) | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| H | % | --- | 5.84 ± 0.26 (5) | 5.91 | 5.54 - 6.10 | --- | --- | --- | --- | --- | --- | --- | --- |
| Hf | ppb | --- | 26 ± 9 (5) | 27 | 13 - 37 | --- | --- | 26 ± 9 (5) | --- | --- | --- | --- | --- |
| Hg | ppb | 155 ± 15 | 155 ± 15 (72) | 157 | 110 - 305 | 154 ± 13 (30) | --- | 162 ± 22 (41) | --- | --- | --- | 133 (2) IDMS | --- |
| Ho | ppb | --- | 16 (2) | --- | 13 - 20 | --- | --- | --- | --- | --- | --- | --- | --- |
| I | ppb | 170 | 165 ± 40 (9) | 173 | 100 - 220 | --- | --- | 184 ± 21 (7) | --- | --- | --- | --- | --- |
| I-129 | fCi/g | --- | 0.006 (1) | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| In | ppb | --- | 1.5 ± 0.3 (3) | --- | 1.23 - 1.80 | --- | --- | 1.5 ± 0.3 (3) | --- | --- | --- | --- | --- |
| Ir | ppb | --- | 15 (1) | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| K | % | 1.47 ± 0.03 | 1.45 ± 0.07 (67) | 1.45 | 1.05 - 3.89 | 1.41 ± 0.05 (7) | 1.48 ± 0.05 (6) | 1.45 ± 0.05 (29) | 1.38 ± 0.16 (12) | --- | 1.57 ± 0.14 (9) | --- | --- |
| La | ppm | --- | 1.11 ± 0.13 (21) | 1.15 | 0.70 - 1.96 | --- | --- | 1.07 ± 0.16 (19) | --- | --- | --- | --- | --- |
| Li | ppb | 600 | 710 ± 120 (3) | 770 | 510 - 13700 | --- | --- | --- | --- | --- | --- | --- | --- |
| Lu | ppb | --- | 4 ± 4 (5) | 3.3 | 0.61 10 | --- | --- | 2.8 ± 2.2 (5) | --- | --- | --- | --- | --- |
| Mg | ppm | 6200 ± 200 | 6100 ± 400 (52) | 6100 | 4900 - 7830 | 5800 ± 300 (8) | 6000 ± 400 (10) | 6200 ± 400 (17) | 6400 ± 400 (12) | 6120 ± 30 (4) | --- | --- | --- |
| Mn | ppm | 91 ± 4 | 89 ± 6 (97) | 89 | 23.1 - 242 | 88 ± 5 (16) | 86 ± 3 (11) | 89 ± 7 (35) | 89 ± 20 (11) | 94 ± 3 (5) | 85 ± 17 (16) | 91 ± 7 (4) CPXRF | --- |
| Mo | ppb | 300 ± 100 | 280 ± 70 (15) | 320 | 110 15200 | --- | 200 ± 60 (5)[a] | 290 ± 40 (8) | 7000 ± 5000 (6) | --- | --- | --- | --- |
| N | % | 2.76 ± 0.05 | 2.72 ± 0.05 (16) | 2.71 | 2.59 - 2.81 | --- | --- | --- | --- | --- | --- | 2.73 ± 0.02 (6)[a] | --- |
| N-15 | A% | --- | 0.367 (1) | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Na | ppm | 82 ± 6 | 88 ± 14 (37) | 86 | 40 524 | --- | --- | 87 ± 12 (26) | 190 ± 170 (8) | 84 ± 4 (3)[a] | --- | --- | --- |
| Nb | ppb | --- | <300 (1) | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Nd | ppb | --- | 460 ± 130 (3) | --- | 320 - 570 | --- | --- | 490 ± 140 (3)[a] | --- | --- | --- | --- | --- |
| Ni | ppm | 1.3 ± 0.2 | 1.3 ± 0 2 (42) | 1.31 | 0.7 - 4 3 | 1.6 ± 0.9 (10) | 1.5 ± 0.4 (6) | 1.4 ± 0.3 (10) | --- | 1.4 ± 0.1 (3) | 1.3 ± 0.1 (5) | 1.3 ± 0.1 (3) COLOR | 1.4 (3) POL<br>2.1 ± 1.2 (3) CPXRF |
| P | ppm | 2100 ± 100 | 2030 ± 140 (40) | 2000 | 1400 - 3100 | 2040 ± 90 (6) | 1980 ± 100 (10) | 2050 ± 50 (5) | 1900 ± 300 (10) | --- | --- | 1900 ± 100 (3) COLOR | 2120 ± 50 (4) NM |
| Pb | ppm | 45 ± 3 | 45 ± 3 (84) | 45 | 15 - 115 | 45 ± 3 (41) | 44 ± 2 (9) | 43 ± 2 (5) | --- | 46 ± 4 (5) | 46 ± 4 (10) | 46 ± 1 (4) ASV | 44 ± 1 (6) POL |
| Pd | ppb | --- | <1 (1) | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Pr | ppb | --- | 130 ± 90 (3) | --- | 60 - 230 | --- | --- | 190 ± 70 (3)[a] | --- | --- | --- | --- | --- |
| Pt | ppb | --- | 650 (2) | --- | 89 - 1200 | --- | --- | 11.2 ± 0.8 (33) | --- | 12.7 ± 0.3 (3) | 11.0 ± 0.6 (10) | 12 ± 2 (4) CPXRF | --- |
| Rb | ppm | 12 ± 1 | 11.3 ± 0.9 (50) | 11.28 | 5.0 - 30 | --- | --- | --- | --- | --- | --- | --- | --- |
| S | ppm | 1900 | 2100 ± 300 (14) | 2140 | 1400 - 7020 | --- | --- | --- | --- | --- | 2200 ± 300 (5) | --- | --- |
| Sb | ppm | 2.9 ± 0.3 | 2.9 ± 0.2 (54) | 2.87 | 1.1 - 5.1 | 2.9 ± 0.4 (11) | 2.6 ± 0.3 (3) | 2.9 ± 0.3 (4) | --- | 3.3 ± 0.2 (4) | --- | --- | --- |
| Sc | ppb | --- | 61 ± 14 (22) | 65 | 40 - 220 | --- | --- | 62 ± 14 (21) | --- | --- | --- | --- | --- |
| Se | ppb | 80 ± 10 | 81 ± 11 (76) | 80 | 24 - 1100 | 79 ± 25 (17) | --- | 84 ± 14 (43) | --- | --- | --- | 84 ± 5 (9) FLUOR | 77 ± 1 (3) GC[a] |
| Si | ppm | --- | 550 ± 110 (6) | 550 | 476 2340 | --- | --- | 640 ± 230 (5) | --- | --- | --- | --- | --- |
| Sm | ppb | --- | 113 ± 20 (16) | 102 | 16 - 320 | --- | --- | 112 ± 18 (14) | --- | --- | --- | --- | --- |
| Sn | ppb | --- | 300 ± 70 (6) | 304 | 180 - 4100 | --- | --- | --- | --- | --- | --- | --- | --- |
| Sr | ppm | 37 ± 1 | 37 ± 4 (39) | 36.5 | 14.5 - 118 | --- | 36 ± 1 (5) | 38 ± 4 (13) | 34 ± 11 (3) | 34 ± 4 (4) | 36 ± 3 (9) | 35 ± 3 (3) CPXRF | --- |
| Ta | ppb | --- | 8 ± 2 (4) | --- | 5 - 10 | --- | --- | 8 ± 2 (4) | --- | --- | --- | --- | --- |
| Tb | ppb | --- | 14 ± 3 (6) | 13 | 1.23 - 80 | --- | --- | 13 ± 3 (7) | --- | --- | --- | --- | --- |
| Te | ppb | 10 | 11 (1) | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Th | ppb | 64 ± 6 | 55 ± 8 (9) | 56 | 6.6 - 90 | --- | --- | 55 ± 8 (9) | --- | --- | --- | --- | --- |
| Ti | ppm | --- | 24 ± 9 (7) | 26 | 2.4 - 191 | --- | --- | 70 ± 70 (5) | --- | --- | --- | --- | --- |
| Tl | ppb | --- | 190 ± 110 (3) | --- | 74 - 300 | --- | --- | --- | --- | --- | --- | --- | --- |
| Tm | ppb | --- | 7 (2) | --- | 3.7 - 10 | --- | --- | --- | --- | --- | --- | --- | --- |
| U | ppb | 29 ± 5 | 29 ± 2 (17) | 29 | 18 - 56 | --- | --- | 28 ± 4 (13) | --- | 28 ± 3 (3)[b] | --- | 30 (1) IDMS | --- |
| V | ppb | --- | 510 ± 110 (34) | 530 | 140 - 2200 | --- | --- | 520 ± 120 (28) | --- | --- | --- | --- | --- |
| W | ppb | --- | 18 (2) | --- | 16 - 20 | --- | --- | --- | --- | --- | --- | --- | --- |
| Y | ppb | --- | 480 (1) | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Yb | ppb | --- | 25 ± 9 (7) | 25 | 11 - 40 | --- | --- | 26 ± 9 (7) | --- | --- | --- | --- | --- |
| Zn | ppm | 25 ± 3 | 25.7 ± 2.4 (135) | 25.9 | 12 - 81 | 26 ± 2 (32) | 25 ± 2 (16) | 26 ± 2 (42) | 26 ± 7 (12) | 28 ± 4 (7) | 25 ± 7 (17) | 30 ± 16 (5) CPXRF | --- |
| Zr | ppm | --- | 2.4 ± 1 0 (5) | 2.6 | 1.3 210 | --- | --- | --- | --- | --- | --- | --- | --- |

[a]Only two analysts reporting.
[b]Only one analyst reporting

TABLE 7

ELEMENTAL CONCENTRATIONS IN NBS SRM 1573: TOMATO LEAVES

| | | | Literature | | | Individual $\bar{x} \pm s$ by Analytical Techniques | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Element | Units | NBS (1976) | $\bar{x} \pm s(n)$ | Median | Range | AA | ICPES | NAA | OES | XRF | Others | |
| Ag | ppb | --- | 180 (1) | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Al | ppm | 1200 | 620 ± 440 (14) | 390 | 182 - 1300 | --- | 1170 (1) | 1270 ± 40 (3) | 320 ± 100 (9) | --- | --- | --- |
| As | ppb | 270 ± 50 | 260 ± 30 (17) | 260 | 118 - 330 | 260 ± 40 (12) | --- | 250 ± 50 (5) | --- | --- | --- | --- |
| Au | ppb | --- | 0.8 (1) | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| B | ppm | 30 | 32 ± 4 (13) | 32 | 25 - 42 | --- | 25.5 (1) | --- | 33 ± 5 (11) | --- | 34 (2) TCGS | --- |
| Ba | ppm | --- | 55 ± 9 (8) | 57 | 40 - 69 | --- | --- | 63 ± 6 (3) | 51 ± 8 (5) | --- | --- | --- |
| Br | ppm | 26 | 21 ± 2 (8) | 21 | 19 - 54 | --- | --- | --- | --- | --- | --- | --- |
| C | % | --- | 37.8 (2) | --- | 37.67 - 37.92 | --- | --- | --- | --- | --- | --- | --- |
| Ca | % | 3.00 ± 0.03 | 2.83 ± 0.31 (23) | 2.88 | 2.22 - 5.82 | --- | 3.12 ± 0.17 (5)[a] | 2.8 ± 0.5 (5) | 2.7 ± 0.3 (11) | 3.8 ± 1.8 (3)[a] | --- | --- |
| Cd | ppm | 3 | 2.5 ± 0.2 (20) | 2.5 | 1.6 - 3.3 | 2.5 ± 0.3 (10) | 2.7 ± 0.4 (5)[a] | 2.70 (1) | --- | --- | 2.65 ± 0.13 (3) ASV | --- |
| Ce | ppm | 1.6 | 1.0 (1) | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Cl | % | --- | 1.07 ± 0.03 (4) | --- | 1.04 - 1.10 | --- | --- | 1.07 ± 0.03 (4) | --- | --- | --- | --- |
| Co | ppb | 600 | 530 ± 90 (8) | 520 | 400 - 680 | 520 ± 30 (3) | --- | 540 ± 110 (5) | --- | --- | --- | --- |
| Cr | ppm | 4.5 ± 0.5 | 3.9 ± 0.5 (11) | 3.9 | 2.3 - 5.8 | 4.0 ± 0.5 (6) | 4.0 ± 1.8 (3)[a] | 3.8 ± 0.6 (4) | --- | --- | --- | --- |
| Cs | ppb | --- | 51 ± 7 (3) | --- | 43 - 140 | --- | --- | 73 ± 45 (4) | --- | --- | --- | --- |
| Cu | ppm | 11 ± 1 | 12 ± 2 (33) | 11 | 3.0 - 25 | 11.9 ± 0.8 (7) | 9.7 ± 0.9 (5)[a] | 11.6 ± 2.3 (5) | 14 ± 3 (11) | --- | --- | --- |
| Eu | ppb | 40 | 32 ± 21 (3) | --- | 15 - 55 | --- | --- | 32 ± 21 (3) | --- | --- | --- | --- |
| F | ppm | --- | 5.6 ± 0.5 (3) | --- | 5.0 - 6.0 | --- | --- | --- | --- | --- | --- | --- |
| Fe | ppm | 690 ± 25 | 550 ± 140 (31) | 572 | 55 - 1170 | 490 ± 190 (5) | 620 ± 60 (6) | 640 ± 100 (7) | 340 ± 150 (11) | 880 ± 280 (3)[a] | 592 ± 15 (3)[b] COLOR | 698 (1) VOLT |
| Fe (II) | ppm | --- | 540 (1) | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Fe (III) | ppm | --- | 158 (1) | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Ga | ppb | --- | 69 (1) | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| H | % | --- | 5.08 ± 0.07 (3) | --- | 5.0 - 5.14 | --- | --- | --- | --- | --- | --- | --- |
| Hg | ppb | 100 | 103 ± 22 (3) | --- | 90 - 128 | --- | --- | --- | --- | --- | --- | --- |
| I | ppb | --- | 320 ± 60 (3) | --- | 280 - 390 | --- | --- | --- | --- | --- | --- | --- |

[a]Only two analysts reporting.
[b]Only one analyst reporting.

TABLE 7 (cont)

| Element | Units | NBS (1976) | Literature | | | Individual $\bar{x} \pm s$ by Analytical Techniques | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | $\bar{x} \pm s(n)$ | Median | Range | AA | ICPES | NAA | OES | XRF | Others | |
| In | ppb | --- | 0.96 (1) | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| K | % | 4.46 ± 0.03 | 4.38 ± 0.29 (24) | 4.47 | 3.00 - 9.24 | 4.35 ± 0.28 (4) | 4.44 ± 0.11 (5)[a] | 4.38 ± 0.15 (4) | 4.3 ± 0.4 (10) | 6.4 ± 2.5 (3)[a] | --- | --- |
| La | ppb | 900 | 640 ± 210 (4) | --- | 346 - 800 | --- | --- | 640 ± 210 (4) | --- | --- | --- | --- |
| Lu | ppb | --- | 12 (1) | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Mg | ppm | 7000 | 6800 ± 400 (19) | 6900 | 6000 - 7800 | 6700 (2)[b] | 6700 ± 400[a] | 6650 (2) | 7000 ± 500 (11) | --- | --- | --- |
| Mn | ppm | 238 ± 7 | 218 ± 16 (27) | 221 | 138 - 414 | 217 ± 4 (5) | 225 ± 7 (5) | 226 ± 25 (6) | 215 ± 22 (10) | 300 ± 100 (3)[a] | --- | --- |
| Mo | ppb | --- | 530 ± 90 (6) | 1700 | 400 - 17900 | --- | 480 ± 50 (4)[b] | 635 (2) | 9000 ± 6000 (6) | --- | --- | --- |
| N | % | 5.0 | 4.93 ± 0.03 (3) | --- | 4.90 - 4.95 | --- | --- | --- | --- | --- | --- | --- |
| Na | ppm | --- | 580 ± 170 (14) | 570 | 350 - 1600 | --- | --- | 490 ± 30 (4) | 640 ± 210 (8) | --- | --- | --- |
| Nd | ppb | --- | 700 (1) | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Ni | ppm | --- | 1.17 ± 0.08 (5) | 1.12 | 0.3 - 5.9 | --- | 2 ± 2 (5)[a] | --- | --- | --- | --- | --- |
| P | ppm | 3400 ± 200 | 3400 ± 200 (21) | 3400 | 2400 - 5000 | 3350 ± 130 (4)[a] | 3470 ± 120 (7) | 3420 (1) | 3200 ± 400 (10) | --- | --- | --- |
| Pb | ppm | 6.3 ± 0.3 | 5.8 ± 0.7 (30) | 5.85 | 3.2 - 15 | 5.9 ± 0.4 (21) | 5.9 ± 2.1 (3)[a] | --- | --- | --- | 5.5 ± 1.1 (4) ASV | --- |
| Pr | ppb | --- | 190 (1) | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Rb | ppm | 16.5 ± 0.1 | 17 ± 3 (5) | 16.4 | 15.2 - 40 | --- | --- | 17 ± 3 (5) | --- | --- | --- | --- |
| Sb | ppb | --- | 34 ± 5 (4) | 34 | 30 - 120 | --- | --- | 55 ± 44 (4) | --- | --- | --- | --- |
| Sc | ppb | 130 | 180 ± 30 (5) | 170 | 138 - 220 | --- | --- | 180 ± 30 (5) | --- | --- | --- | --- |
| Se | ppb | --- | 60 ± 14 (5) | 57 | 49 - 84 | --- | --- | 61 ± 20 (3) | --- | --- | --- | --- |
| Sm | ppb | --- | 155 (2) | --- | 110 - 200 | --- | --- | --- | --- | --- | --- | --- |
| Sr | ppm | 44.9 ± 0.3 | 46 ± 12 (6) | 45 | 36 - 102 | --- | --- | 55 (2) | 43 ± 9 (3) | --- | --- | --- |
| Ta | ppb | --- | 430 (1) | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Tb | ppb | --- | 4 (1) | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Th | ppb | 170 ± 30 | 205 (2) | --- | 190 - 220 | --- | --- | --- | --- | --- | --- | --- |
| Ti | ppm | --- | 68 (1) | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Tl | ppm | 50 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| U | ppb | 61 ± 3 | 56 ± 6 (3) | 54 | 20 - 63 | --- | --- | 47 ± 19 (4) | --- | --- | --- | --- |
| V | ppm | --- | 1.30 ± 0.10 (4) | --- | 1.19 - 1.42 | --- | --- | --- | --- | --- | --- | --- |
| W | ppb | --- | <40 (1) | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Yb | ppb | --- | 80 (1) | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Zn | ppm | 62 ± 6 | 61 ± 5 (30) | 62 | 26 - 124 | 63 ± 3 (6) | 59 ± 4 (9)[a] | 59 ± 4 (4) | 62 ± 11 (10) | 91 ± 28 (3)[a] | --- | --- |

## TABLE 8

## ELEMENTAL CONCENTRATIONS IN NBS SRM 1575: PINE NEEDLES

| | | | Literature | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Individual Means by Analytical Technique | | | | |
| Element | Units | NBS (1976) | x ± s (n) | Median | Range | AA | ICPES | NAA | OES | Others |
| Ag | ppb | --- | 150 (1) | --- | --- | --- | --- | --- | --- | --- |
| Al | ppm | 545 ± 30 | 520 ± 70 (11) | 521 | 255 - 1243 | --- | --- | 640 ± 100 (3) | 420 ± 100 (8) | --- |
| As | ppb | 210 ± 40 | 200 ± 30 (15) | 200 | 150 - 240 | 200 ± 30 (8) | --- | 200 ± 30 (6) | --- | --- |
| Au | ppb | --- | 0.6 (2) | --- | 0.3 - 0.9 | --- | --- | --- | --- | --- |
| B | ppm | --- | 17 ± 3 (14) | 16.6 | 13 - 20 | --- | --- | --- | 17 ± 3 (10) | 16.6 (2) TCGS |
| Ba | ppm | --- | 6.2 ± 1.7 (6) | 6.6 | 3 - 8 | --- | --- | 6.1 (1) | 6.2 ± 1.9 (5) | --- |
| Br | ppm | 9 | 6.6 ± 0.8 (8) | 6.43 | 5.4 - 30 | --- | --- | 6.8 ± 0.7 (7) | --- | --- |
| C | % | --- | 51.4 ± 1.8 (4) | --- | 50.37 - 54.0 | --- | --- | --- | --- | 50.49 ± 0.18 (3)[a] |
| Ca | ppm | 4100 ± 200 | 4200 ± 400 (18) | 4100 | 3100 - 13100 | --- | 4100 ± 100 (5)[a] | 4000 ± 800 (3) | 4200 ± 600 (10) | --- |
| Cd | ppb | <500 | 220 ± 60 (13) | 210 | 140 - 310 | 250 ± 50 (6) | 210 ± 70 (5)[a] | 193. (2) | --- | --- |
| Ce | ppb | 400 | 150 (1) | --- | --- | --- | --- | --- | --- | --- |
| Cl | ppm | --- | 400 ± 160 (4) | --- | 243 - 551 | --- | --- | 360 ± 170 (3) | --- | --- |
| Co | ppb | 100 | 121 ± 13 (4) | 130 | 110 - 340 | --- | --- | 180 ± 110 (4) | --- | --- |
| Cr | ppm | 2.6 ± 0.2 | 2.6 ± 0.3 (9) | 2.6 | 1.3 - 3.9 | 2.4 ± 0.3 (4)[b] | 2.5 ± 0.8 (4) | 3.0 ± 0.8 (3) | --- | --- |
| Cs | ppb | --- | 120 ± 27 (4) | --- | 101 - 160 | --- | --- | 120 ± 27 (4) | --- | --- |
| Cu | ppm | 3.0 ± 0.3 | 3.3 ± 0.8 (26) | 3.2 | 0.7 - 53 | 3.3 ± 0.2 (6) | 3.0 ± 0.6 (6) | --- | 5.4 ± 2.8 (10) | 2.91 ± 0.02 (3) COLOR |
| Eu | ppb | 6 | 6.2 (2) | --- | 6.0 - 6.5 | --- | --- | - | --- | --- |
| F | ppm | --- | 3.0 ± 0.6 (3) | --- | 2.5 - 3.7 | --- | --- | --- | --- | --- |
| Fe | ppm | 200 ± 10 | 180 ± 27 (25) | 185 | 47 - 790 | 320 ± 240 (3)[a] | 189 ± 11 (7) | 200 ± 40 (5) | 160 ± 70 (10) | 181 ± 12 (3)[b] COLOR |
| H | % | --- | 6.48 ± 0.08 (3) | --- | 6.39 - 6.54 | --- | --- | --- | --- | --- |
| Hf | ppb | --- | 10 (1) | --- | --- | --- | --- | --- | --- | --- |
| Hg | ppb | 150 ± 50 | 144 ± 16 (5) | 147 | 121 - 160 | 146 ± 12 (3) | --- | 141 (2) | --- | --- |
| I | ppb | --- | 145 (2) | --- | 140 - 150 | --- | --- | --- | --- | --- |
| K | ppm | 3700 ± 200 | 3600 ± 300 (15) | 3700 | 2700 - 9100 | --- | 3600 ± 200 (3) | 3800 ± 200 (3) | 4400 ± 1200 (9) | --- |
| La | ppb | 200 | 160 ± 40 (3) | --- | 130 - 210 | --- | --- | 160 ± 40 (3) | --- | --- |
| Lu | ppb | --- | 1.3 (1) | --- | --- | --- | --- | --- | --- | --- |
| Mg | ppm | --- | 1250 ± 170 (16) | 1200 | 900 - 2200 | --- | 1170 ± 40 (5)[a] | 1350 (2) | 1300 ± 200 (10) | |

[a]Only two analysts reporting.
[b]Only one analyst reporting.

TABLE 8 (cont)

| Element | Units | NBS (1976) | Literature | | | Individual Means by Analytical Technique | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | x ± s (n) | Median | Range | AA | ICPES | NAA | OES | Others |
| Mn | ppm | 675 ± 15 | 668 ± 38 (19) | 669 | 430 - 2200 | 680 ± 7 (6) | 657 ± 7 (6) | 682 ± 20 (3) | 610 ± 140 (9) | --- |
| Mo | ppb | --- | 0.8 ± 0.9 (8) | 800 | 100 - 18500 | --- | 160 ± 50 (4) | 100 (1) | 5600 ± 7300 (5) | --- |
| N | % | 1.2 | 1.20 ± 0.10 (3) | --- | 1.11 - 1.30 | --- | --- | --- | --- | --- |
| Na | ppm | --- | 55 ± 32 (10) | 70 | 18 - 190 | --- | --- | 46 ± 23 (3) | 59 ± 36 (7) | --- |
| Nd | ppb | --- | 200 (1) | --- | --- | --- | --- | --- | --- | --- |
| Ni | ppm | 3.5 | 2.3 ± 0.2 (9) | 2.34 | 2.1 - 4.0 | --- | 2.24 ± 0.12 5[a] | 2.25 (2) | --- | --- |
| P | ppm | 1200 ± 200 | 1220 ± 150 (17) | 1190 | 1000 - 2100 | --- | 1180 ± 50 (7) | --- | 1350 ± 250 (9) | --- |
| Pb | ppm | 10.8 ± 0.5 | 10.7 ± 0.5 (19) | 11 | 7.4 - 33 | 10.8 ± 0.4 (4) | 10.1 ± 0.8 (3)[a] | --- | --- | 10.7 (2) ASV |
| Pd | ppb | --- | <2 (1) | --- | --- | --- | --- | --- | --- | --- |
| Pr | ppb | --- | <70 (1) | --- | --- | --- | --- | --- | --- | --- |
| Rb | ppm | 11.7 ± 0.1 | 12.2 ± 0.9 (4) | --- | 11 - 35 | --- | --- | 11.9 ± 0.8 (3) | --- | --- |
| S | ppm | --- | 1040 (2) | --- | 580 - 1500 | --- | --- | --- | --- | --- |
| Sb | ppb | 200 | 195 ± 16 (8) | 190 | 180 - 1140 | 184 (2) | --- | 199 ± 17 (6) | --- | --- |
| Sc | ppb | 30 | 41 ± 13 (3) | --- | 27 - 130 | --- | --- | 63 ± 46 (4) | --- | --- |
| Se | ppb | --- | 47 ± 5 (5) | 47 | 43 - 96 | --- | --- | 61 ± 24 (4) | --- | --- |
| Si | ppm | --- | 248 (1) | --- | --- | --- | --- | --- | --- | --- |
| Sm | ppb | --- | 75 (2) | --- | 20 - 130 | --- | --- | --- | --- | --- |
| Sr | ppm | 4.8 ± 0.2 | 6 ± 2 (5) | 5.2 | 4.7 - 20 | --- | --- | --- | 12 ± 8 (3) | --- |
| Ta | ppm | --- | 1.74 (1) | --- | --- | --- | --- | --- | --- | --- |
| Tb | ppb | --- | 60 (1) | --- | --- | --- | --- | --- | --- | --- |
| Th | ppb | 37 ± 3 | 34 (2) | --- | 34 - 35 | --- | --- | --- | --- | --- |
| Tl | ppb | 50 | --- | --- | --- | --- | --- | --- | --- | --- |
| U | ppb | 20 ± 4 | 15 ± 2 (4) | 15 | 13 - 20 | --- | --- | 15 ± 2 (4) | --- | --- |
| V | ppb | --- | 400 ± 50 (4) | --- | 346 - 470 | --- | --- | --- | --- | --- |
| W | ppb | --- | 50 (1) | --- | --- | --- | --- | --- | --- | --- |
| Zn | ppm | --- | 67 ± 9 (25) | 66.5 | 5 - 141 | --- | --- | 58 ± 6 (4) | 74 ± 10 (10) | --- |

TABLE 9

ELEMENTAL CONCENTRATIONS IN NBS SRM 1577: BOVINE LIVER (OLDER)

| | | | Literature | | | Individual Means by Analytical Technique | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Element | Units | NBS (1977) | $\bar{x} \pm s$ (n) | Median | Range | AA | CPXRF | ICPES | NAA | XRF | Others | |
| Ag | ppb | 60 | 61 ± 11 (11) | 66 | 5 - 2000 | 66 (2) | --- | --- | 64 ± 16 (9) | --- | --- | |
| Al | ppm | --- | 17 ± 12 (14) | 18 | 1.8 - 65 | --- | --- | 6.8 ± 1.6 (4) | 21 ± 15 (12) | --- | --- | |
| As | ppb | 55 ± 5 | 63 ± 40 (45) | 55 | 23 - 600 | 47 ± 9 (11) | 360 ± 210 (3)[a] | --- | 56 ± 8 (24) | --- | 61.5 (2) ASV | |
| Au | ppb | --- | 4.9 ± 2.3 (4) | 5.6 | 0.23 - 29 | --- | --- | --- | 8 ± 11 (6) | --- | --- | --- |
| B | ppm | --- | 2.9 ± 0.8 (4) | --- | 2.24 - 4.0 | --- | --- | --- | --- | --- | --- | --- |
| Ba | ppm | --- | 1.0 ± 1.3 (5) | --- | 0.12 - 2.9 | --- | --- | --- | 1.6 ± 1.4 (3) | --- | --- | |
| Be | ppb | 17 | 8 ± 8 (3) | --- | 3 - 17 | --- | --- | --- | --- | --- | | |
| Br | ppm | --- | 9.1 ± 1.2 (37) | 9.0 | 4.3 - 22 | --- | 8.7 ± 2.2 (8) | --- | 9.2 ± 1.1 (25) | 8.6 ± 0.8 (4) | --- | |
| C | % | --- | 50.6 ± 1.1 (4) | --- | 49.6 - 52.0 | --- | --- | --- | --- | --- | --- | --- |
| Ca | ppm | 124 ± 6 | 117 ± 14 (39) | 120 | 30 - 309 | 114 ± 12 (9) | 118 ± 23 (6) | 125 ± 8 (10) | 116 ± 16 (12) | --- | --- | --- |
| Cd | ppb | 270 ± 40 | 282 ± 20 (79) | 288 | 210 - 560 | 280 ± 50 (42) | --- | 350 ± 50 (3)[a] | 284 ± 18 (20) | --- | 270 ± 40 (5) ASV | --- |
| Ce | ppb | --- | 24 ± 13 (5) | 22 | 13 - 46 | --- | --- | --- | 27 ± 13 (4) | --- | --- | |
| Cl | ppm | 2700 | 2690 ± 180 (27) | 2640 | 1880 - 11663 | --- | --- | --- | 2660 ± 120 (18) | --- | --- | --- |
| Co | ppb | 180 | 250 ± 60 (61) | 240 | 120 - 410 | 240 ± 40 (6) | --- | --- | 230 ± 40 (40) | --- | --- | |
| Cr | ppb | 88 ± 12 | 230 ± 370 (53) | 150 | 5 - 61000 | 94 ± 50 (9) | --- | 200 ± 190 (4)[a] | 140 ± 60 (27) | --- | --- | --- |
| Cs | ppb | --- | 14.8 ± 2.3 (12) | 16 | 11 - 130 | --- | --- | --- | 17 ± 7 (12) | --- | --- | --- |
| Cu | ppm | 193 ± 10 | 190 ± 10 (114) | 190 | 93 - 394 | 189 ± 14 (34) | 197 ± 25 (13) | 191 ± 9 (13) | 188 ± 12 (38) | 182 ± 11 (5) | 204 ± 13 (3)[a] ASV | --- |
| Dy | ppb | --- | 2.4 (1) | --- | --- | --- | --- | --- | --- | --- | --- | |
| Er | ppb | --- | 0.5 (1) | --- | --- | --- | --- | --- | --- | --- | | |
| Eu | ppb | --- | 0.98 ± 1.3 (4) | --- | 0.23 - 310 | --- | --- | --- | 0.31 ± 0.07 (3)[a] | --- | | |
| F | ppb | --- | 80 (2) | --- | 40 - 120 | --- | --- | --- | --- | --- | --- | --- |
| Fe | ppm | 268 ± 8 | 263 ± 16 (96) | 265 | 110 - 1433 | 257 ± 22 (18) | 270 ± 16 (11) | 260 ± 11 (17) | 266 ± 19 (36) | 262 ± 15 (4) | --- | --- |
| Ga | ppb | --- | 550 (2) | --- | 4 - 1100 | --- | --- | --- | --- | --- | --- | |
| Gd | ppb | --- | 2.1 (2) | --- | 1.8 - 2.4 | --- | --- | --- | --- | --- | --- | |
| H | % | --- | 6.97 ± 0.16 (3) | --- | 6.8 - 7.12 | --- | --- | --- | --- | --- | --- | --- |
| Hf | ppb | --- | 4 (2) | --- | 1.0 - 7.3 | --- | --- | --- | --- | | | --- |

[a]Only two analysts reporting.
[b]Only one analyst reporting.

TABLE 9 (cont)

| Element | Units | NBS (1977) | Literature $\bar{x} \pm s$ (n) | Median | Range | Individual Means by Analytical Technique AA | CPXRF | ICPES | NAA | XRF | Others | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hg | ppb | 16 ± 2 | 16.2 ± 1.5 (37) | 16.1 | 13.7 - 200 | 16 ± 2 (16) | --- | --- | 18 ± 7 (23) | --- | --- | --- |
| Ho | ppb | --- | 0.22 (2) | --- | 0.20 - 0.25 | --- | --- | --- | --- | --- | --- | --- |
| I | ppb | 180 | 235 ± 32 (9) | 246 | 180 - 280 | --- | --- | --- | 235 ± 32 (9) | --- | --- | --- |
| In | ppb | 50 | 0.07 (2) | --- | 0.05 - 0.09 | --- | --- | --- | --- | --- | --- | --- |
| K | % | 0.97 ± 0.06 | 0.97 ± 0.08 (48) | 0.964 | 0.50 - 1.18 | 0.993 ± 0.024 (4) | 0.93 ± 0.12 (8) | --- | 0.98 ± 0.09 (23) | --- | --- | --- |
| La | ppb | --- | 16 ± 3 (8) | 17.2 | 10 - 72 | --- | --- | --- | 17 ± 4 (9) | --- | --- | --- |
| | | | | | | | | | 68 ± 5 (3) | --- | --- | --- |
| Lu | ppb | --- | 0.039 (2) | --- | 0.039 | --- | --- | --- | --- | --- | --- | --- |
| Mg | ppm | 604 ± 9 | 610 ± 40 (35) | 601 | 290 - 1040 | 591 ± 16 (12) | --- | 620 ± 50 (9) | 670 ± 100 (11) | --- | --- | --- |
| Mn | ppm | 10.3 ± 1.0 | 10.1 ± 0.6 (96) | 10.2 | 5.3 - 19 | 10.3 ± 0.6 (30) | 9.5 ± 1.1 (8) | 9.9 ± 0.4 (11) | 10.2 ± 0.5 (32) | 12 ± 4 (5) | --- | --- |
| Mo | ppm | 3.4 | 3.2 ± 0.4 (45) | 3.3 | 2.0 - 5.8 | 4.1 ± 1.5 (3) | 3.3 ± 0.6 (6) | 3.1 ± 0.8 (4) | 3.3 ± 0.3 (30) | --- | --- | --- |
| N | % | 10.6 ± 0.6 | 10.5 ± 0.2 (5) | 10.59 | 10.35 - 10.82 | --- | --- | --- | --- | --- | --- | --- |
| Na | ppm | 2430 ± 130 | 2400 ± 200 (43) | 2370 | 1019 - 3100 | 2430 ± 90 (4) | --- | --- | 2320 ± 250 (27) | --- | --- | --- |
| Nd | ppb | --- | 64 ± 91 (3) | --- | 9 - 170 | --- | --- | --- | --- | --- | --- | --- |
| Ni | ppb | --- | 160 ± 80 (9) | 245 | 50 - 1300 | 320 ± 460 (4) | 870 ± 380 (3) | --- | 370 ± 340 (6) | --- | --- | --- |
| P | % | 1.1 | 1.07 ± 0.09 (12) | 1.10 | 0.31 - 1.35 | --- | --- | 1.09 ± 0.10 (7) | 1.0 ± 0.3 (4) | --- | --- | --- |
| Pb | ppb | 340 ± 80 | 355 ± 52 (49) | 360 | 240 - 43000 | 350 ± 60 (31) | --- | 360 ± 50 (3)[a] | --- | --- | 382 ± 8 (5) ASV<br>375 (2)[b] POL | 331 (2)[b] IDMS |
| Pr | ppb | --- | 4.3 (2) | --- | 4.0 - 4.6 | --- | --- | --- | --- | --- | --- | --- |
| Rb | ppm | 18.3 ± 1.0 | 18.4 ± 1.0 (45) | 18.7 | 9.9 - 29 | --- | 17 ± 3 (9) | --- | 18.3 ± 0.9 (32) | 17.3 ± 1.6 (4) | --- | --- |
| S | ppm | --- | 8000 ± 1300 (3) | 7200 | 3300 - 16200 | --- | --- | --- | --- | --- | --- | --- |
| Sb | ppb | 5 | 10 ± 6 (19) | 14 | 4.0 - 170 | 5 (1) | --- | --- | 9 ± 5 (16)<br>51 ± 18. (6) | --- | --- | --- |
| Sc | ppb | --- | 0.87 ± 0.29 (6) | 1.0 | 0.4 - 20 | --- | --- | --- | 1.0 ± 0.2 (5) | --- | --- | --- |
| Se | ppm | 1.1 ± 0.1 | 1.09 ± 0.08 (138) | 1.1 | 0.23 - 13.4 | 1.04 ± 0.11 (33) | 1.12 ± 0.18 (5) | --- | 1.10 ± 0.07 (72) | 1.20 ± 0.17 (3) | 1.10 (2) ASV[b]<br>1.08 ± 0.12 (7) FLUOR | 1.12 ± 0.07 (5) GC<br>1.11 (2) SSMS |
| Se (VI) | ppm | --- | 0.30 (2) | --- | 0.30 - 0.31 | --- | --- | --- | --- | --- | --- | --- |
| Si | ppm | 17 | 16.7 (2) | --- | 16.7 - 16.8 | --- | --- | --- | --- | --- | --- | --- |
| Sm | ppb | --- | 1.5 ± 0.3 (5) | 1.6 | 1.0 - 35 | --- | --- | --- | 1.7 ± 0.6 (6) | --- | --- | --- |
| Sn | ppb | --- | 84 ± 120 (3) | --- | 10 - 220 | --- | --- | --- | --- | --- | --- | --- |
| Sr | ppm | 140 | 190 ± 70 (4) | 230 | 150 - 2200 | --- | --- | --- | --- | --- | --- | --- |
| Ta | ppb | --- | 3 (1) | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Tb | ppb | --- | 0.8 ± 1.0 (3) | --- | 0.17 - 2.0 | --- | --- | --- | --- | --- | --- | --- |
| Te | ppb | --- | 90 (1) | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Th | ppb | --- | 6.8 (1) | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Ti | ppm | --- | 1.9 ± 1.0 (4) | --- | 0.7 - 3.2 | --- | --- | --- | --- | --- | --- | --- |
| Tl | ppb | 50 | 48 (1) | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Tm | ppb | --- | 0.12 (2) | --- | 0.10 - 0.15 | --- | --- | --- | --- | --- | --- | --- |
| U | ppb | 0.8 | 1.0 (2) | --- | 0.99 - 1.0 | --- | --- | --- | --- | --- | --- | --- |
| V | ppb | --- | 58 ± 8 (12) | 61 | 15 - 600 | 55 (1) | --- | 250 ± 300 (3) | 430 ± 100 (3)<br>62 ± 3 (7) | --- | --- | --- |
| W | ppb | --- | 13 ± 10 (5) | 14 | 5 - 700 | --- | --- | --- | --- | --- | --- | --- |
| Y | ppm | --- | <1 (1) | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Yb | ppb | --- | 0.35 ± 0.11 (3) | --- | 0.28 - 830 | --- | --- | --- | --- | --- | --- | --- |
| Zn | ppm | 130 ± 13 | 130 ± 7 (145) | 129 | 13 - 200 | 129 ± 7 (30) | 134 ± 16 (13) | 132 ± 6 (15) | 130 ± 6 (57) | 127 ± 11 (5) | 94 ± 55 (3)[a] ASV | 120 ± 3 (3)[b] POL |
| Zr | ppm | --- | 3.7 (2) | --- | 3.4 - 4.0 | --- | --- | --- | --- | --- | --- | --- |

## TABLE 10

## ELEMENTAL CONCENTRATIONS IN NBS SRMs 610-616: TRACE ELEMENTS IN GLASS

| | | 610 | | 612 | | 614 | | 616 | |
|---|---|---|---|---|---|---|---|---|---|
| Element | Units | NBS (1972) | Literature $\bar{x} \pm s$ (n) | NBS (1972) | Literature $\bar{x} \pm s$ (n) | NBS (1982) | Literature $\bar{x} \pm s$ (n) | NBS (1982) | Literature $\bar{x} \pm s$ (n) |
| Ag | ppm | 254 ± 10 | 180 (1) | 22.0 ± 0.3 | 31 (1) | 0.42 ± 0.04 | 0.52 (2) | --- | --- |
| Al | % | 1.05 | --- | 1.05 | --- | 1.05 | --- | 1.05 | --- |
| As | ppm | --- | 305 (1) | --- | --- | --- | --- | --- | --- |
| Au | ppm | 25 | 20 (1) | 5 | 5 (1) | 0.5 | 0.64 (2) | 0.18 ± 0.01 | --- |
| B | ppm | 351 | 368 (1) | 32 | 40 (1) | 1.3 ± 0.2 | --- | 0.20 ± 0.02 | --- |
| Ba | ppm | --- | 638 (1) | 41 | --- | --- | --- | --- | --- |
| Be | ppm | --- | 450 (1) | --- | 31 (1) | --- | --- | --- | --- |
| Bi | ppm | --- | 405 (1) | --- | --- | --- | --- | --- | --- |
| Ca | % | 8.6 | 7.64 (1) | 8.6 | --- | 8.6 | --- | 8.6 | --- |
| Cd | ppm | --- | 187 (1) | --- | --- | 0.55 | --- | --- | --- |
| Ce | ppm | --- | 318 (1) | 39 | 37 (1) | --- | --- | --- | --- |
| Co | ppm | 390 | 260 (2) | 35.5 ± 1.2 | 31 (1) | 0.73 ± 0.02 | 0.59 (1) | --- | --- |
| Cr | ppm | --- | 371 (1) | --- | --- | --- | --- | --- | --- |
| Cu | ppm | 444 ± 4 | --- | 37.7 ± 0.9 | --- | 1.37 ± 0.07 | 1.61 (1) | 0.80 ± 0.09 | --- |
| Dy | ppm | --- | --- | 35 | --- | --- | --- | --- | --- |
| Er | ppm | --- | --- | 39 | --- | --- | --- | --- | --- |
| Eu | ppm | --- | --- | 36 | 26 (1) | 0.99 ± 0.04 | 1.10 (1) | --- | --- |
| Fe | ppm | 458 ± 9 | --- | 51 ± 2 | --- | 13.3 ± 1.0 | --- | 11 ± 2 | --- |
| Ga | ppm | --- | 481 (1) | --- | --- | 1.3 | --- | 0.23 ± 0.02 | --- |
| Gd | ppm | --- | --- | 39 | --- | --- | --- | --- | --- |
| Ge | ppm | --- | 496 (1) | --- | --- | --- | --- | --- | --- |
| Hf | ppm | --- | 220 (1) | --- | --- | --- | --- | --- | --- |
| In | ppm | --- | 319 (1) | --- | --- | --- | --- | --- | --- |
| K | ppm | 461 | --- | 64 | --- | 30 ± 1 | --- | 29 ± 1 | --- |
| La | ppm | --- | --- | 36 | 35 (1) | 0.83 ± 0.02 | --- | 0.034 ± 0.007 | --- |
| Li | ppm | --- | 354 (1) | --- | 44 (1) | --- | --- | --- | --- |
| Mg | ppm | --- | 472 (1) | --- | --- | --- | --- | --- | --- |
| Mn | ppm | 485 ± 10 | 391 (1) | 39.6 ± 0.8 | --- | --- | --- | --- | --- |

TABLE 10 (cont)

| Element | Units | 610 NBS (1972) | 610 Literature $\bar{x} \pm s$ (n) | 612 NBS (1972) | 612 Literature $\bar{x} \pm s$ (n) | 614 NBS (1982) | 614 Literature $\bar{x} \pm s$ (n) | 616 NBS (1982) | 616 Literature $\bar{x} \pm s$ (n) |
|---|---|---|---|---|---|---|---|---|---|
| Mo | ppm | --- | 307 (1) | --- | --- | --- | --- | --- | --- |
| Na | % | 10.4 | --- | 10.4 | --- | 10.4 | --- | 10.4 | --- |
| Nd | ppm | --- | --- | 36 | --- | --- | --- | --- | --- |
| Ni | ppm | 458.7 ± 4.0 | 431 (1) | 38.8 ± 0.2 | --- | 0.95 | --- | --- | --- |
| Pb | ppm | 426 ± 1 | 392 (1) | 38.57 ± 0.2 | 38.56 (1) | 2.32 ± 0.04 | --- | 1.85 ± 0.04 | --- |
| Rb | ppm | 425.7 ± 0.8 | --- | 31.4 ± 0.4 | --- | 0.855 ± 0.005 | --- | 0.100 ± 0.007 | --- |
| Sb | ppm | --- | 387 (1) | --- | --- | 1.06 | 1.10 (1) | 0.078 ± 0.007 | 0.012 (1) |
| Sc | ppm | --- | --- | --- | --- | 0.59 ± 0.04 | 0.68 (1) | 0.026 ± 0.012 | 0.020 (1) |
| Si | % | 34 | --- | 34 | --- | 34 | --- | 34 | --- |
| Sm | ppm | --- | --- | 39 | --- | --- | --- | --- | --- |
| Sr | ppm | 515.5 ± 0.5 | --- | 78.4 ± 0.2 | --- | 45.8 ± 0.1 | --- | 41.72 ± 0.05 | --- |
| Sr-87/86 | ppm | 0.7094 ± 0.0002 | --- | 0.7089 ± 0.0002 | --- | 0.7083 ± 0.0002 | --- | 0.7080 ± 0.0002 | --- |
| Ta | ppm | --- | 206 (1) | --- | --- | --- | --- | --- | --- |
| Te | ppm | --- | 259 (1) | --- | --- | --- | --- | --- | --- |
| Th | ppm | 457.2 ± 1.2 | 469 (1) | 37.79 ± 0.08 | 31 (1) | 0.748 ± 0.006 | 0.58 (1) | 0.0252 ± 0.0007 | 0.018 (1) |
| Ti | ppm | 437 | 361 (1) | 50.1 ± 0.8 | --- | 3.1 ± 0.3 | --- | 2.5 ± 0.7 | --- |
| Tl | ppm | 61.8 ± 2.5 | 52 (1) | 15.7 ± 0.3 | --- | 0.269 ± 0.005 | 0.29 (1) | 0.0082 ± 0.0005 | --- |
| U | ppm | 461.5 ± 1.1 | 450 ± 30 (4) | 37.38 ± 0.08 | 38 ± 2 (5) | 0.823 ± 0.002 | 0.74 (1) | 0.0721 ± 0.0013 | --- |
| U-235 | A% | 0.2376 | 0.251 (1) | 0.2392 | 0.229 (1) | 0.2792 | --- | 0.616 | --- |
| V | ppm | --- | 206 (1) | --- | --- | --- | --- | --- | --- |
| Yb | ppm | --- | --- | 42 | --- | --- | --- | --- | --- |
| Zn | ppm | 433 | --- | --- | --- | --- | --- | --- | --- |

## TABLE 11

### ELEMENTAL CONCENTRATIONS IN NBS COAL STANDARD REFERENCE MATERIALS 1630, 1632A, AND 1635

| | | 1630 | | 1632A | | | | 1635 | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Literature | NBS | Literature | | | NBS | Literature | |
| Element | Units | NBS | $\bar{x} \pm s$ (n) | (1971) | $\bar{x} \pm s$ (n) | Median | Range | (1978) | $\bar{x} \pm s$ (n) | Range |
| Ag | ppb | --- | --- | --- | 300. (1) | --- | --- | --- | <38 (2) | --- |
| Al | % | --- | 0.53 (1) | 3.07 | 2.95 ± 0.08 (10) | 2.99 | 2.80 - 9.47 | 0.32 | 0.31 ± 0.02 (3) | 0.30 - 0.34 |
| As | ppm | --- | 19 (1) | 9.3 ± 1.0 | 9.3 ± 0.4 (15) | 9.3 | 6.4 - 11 | 0.42 ± 0.15 | 0.35 ± 0.06 (5) | 0.28 - 0.70 |
| Ash | % | --- | 2.2 (1) | --- | 21.8 (2) | --- | 21.7 - 21.8 | --- | 4.8 (1) | --- |
| Au | ppb | --- | --- | --- | 3. (1) | --- | --- | --- | --- | --- |
| B | ppm | --- | 5 (1) | --- | 53 ± 2 (5) | 52.7 | 22 - 55 | --- | 115 ± 17 (3) | 104 - 135 |
| Ba | ppm | --- | --- | --- | 124 ± 16 (7) | 122 | 100 - 150 | --- | 73 ± 6 (5) | 67 - 81 |
| Be | ppm | --- | 1 (1) | --- | --- | --- | --- | --- | --- | --- |
| Bi | ppm | --- | --- | --- | --- | --- | --- | --- | <1 (1) | --- |
| Br | ppm | --- | 33 (2) | --- | 42 ± 2 (9) | 43 | 39.6 - 50 | --- | 1.9 ± 0.8 (4) | 1.1 - 3.0 |
| C | % | --- | --- | --- | 66 ± 4 (3) | --- | 62.7 - 71 | --- | 62.6 (2) | 59 - 66.2 |
| Ca | ppm | --- | 700 (1) | --- | 2400 ± 200 (9) | 2400 | 2100 - 46500 | --- | 5500 ± 200 (3) | 5400 - 5700 |
| Cd | ppb | --- | <200 (1) | 170 ± 20 | 190 ± 30 (3) | --- | 150 - 210 | 30 ± 10 | 29 (1) | --- |
| Ce | ppm | --- | --- | 30 | 29 ± 2 (9) | 28.5 | 25.7 - 32 | 3.6 | 3.4 ± 0.1 (3) | 3.3 - 8.0 |
| Cl | ppm | --- | 2200 (1) | --- | 760 ± 30 (8) | 776 | 700 - 897 | --- | 29 ± 6 (3) | 26 - 36 |
| Co | ppm | --- | 4.8 (2) | 6.8 | 6.4 ± 0.3 (7) | 6.55 | 5.86 - 7.5 | 0.65 | 0.64 ± 0.06 (3) | 0.59 - 0.70 |
| Cr | ppm | --- | 7.6 (2) | 34.4 ± 1.5 | 34 ± 5 (9) | 36 | 26 - 40 | 2.5 ± 0.3 | 2.38 ± 0.24 (5) | 2.0 - 2.6 |
| Cs | ppm | --- | --- | 2.4 | 2.3 ± 0.2 (7) | 2.4 | 1.9 - 2.5 | --- | 0.050 (2) | 0.046 - 0.053 |
| Cu | ppm | --- | 16 (1) | 16.5 ± 1.0 | 16.5 ± 0.7 (4) | --- | 15.9 - 17.2 | 3.6 ± 0.3 | 3.3 (2) | 3.0 - 3.56 |
| Dy | ppm | --- | --- | --- | 2.1 ± 0.2 (6) | 2.15 | 1.83 - 2.56 | --- | 0.31 (1) | --- |
| Er | ppm | --- | --- | --- | 0.91 (1) | --- | --- | --- | <2 (1) | --- |
| Eu | ppb | --- | --- | 540 | 527 ± 23 (7) | 525 | 460 - 550 | 64 | 60 (2) | 59 - 61 |
| F | ppm | --- | 25 (1) | --- | 90 (2) | --- | 84 - 95 | --- | 20 (1) | --- |
| Fe | % | --- | 0.78 (2) | 1.11 ± 0.02 | 1.12 ± 0.02 (10) | 1.12 | 1.07 - 6.78 | 0.239 ± 0.005 | 0.229 ± 0.006 (4) | 0.22 - 0.234 |
| Ga | ppm | --- | 1.08 (2) | 8.49 | 7.9 ± 0.5 (5) | 8.0 | 7.2 - 8.5 | 1.05 | 1.1 (1) | --- |
| Gd | ppm | --- | --- | --- | 2.4 ± 0.5 (5) | 2.4 | 1.9 - 3.0 | --- | 0.29 (2) | 0.23 - 0.35 |
| Ge | ppm | --- | 1 (1) | --- | 2.5 (1) | --- | --- | --- | 0.5 (1) | --- |
| H | % | --- | --- | --- | 3.85 ± 0.28 (3) | --- | 3.68 - 4.17 | --- | 4.07 (2) | 3.96 - 4.18 |
| $H_2O^-$ | % | --- | 0.40 (1) | --- | --- | --- | --- | --- | --- | --- |
| $H_2O$-T | % | --- | --- | --- | 1.62 (1) | --- | --- | ~20 | 14 (1) | --- |
| Hf | ppm | --- | --- | 1.6 | 1.68 ± 0.19 (5) | 1.70 | 1.44 - 1.90 | 0.29 | 0.27 ± 0.02 (3) | 0.24 - 0.29 |
| Hg | ppb | 130 ± 10 | 126 ± 13 (19) | 130 ± 30 | 146 ± 33 (7) | 134.1 | 118 - 210 | --- | 20 (2) | 5 - 35 |
| Ho | ppm | --- | --- | --- | 380 (1) | --- | --- | --- | <1.5 (1) | --- |
| I | ppm | --- | --- | --- | 1.5 ± 0.5 (3) | --- | 0.9 - 1.8 | --- | 0.6 (1) | --- |
| In | ppb | --- | --- | --- | 37 ± 2 (3) | --- | 36 - 40 | --- | 5 (1) | --- |
| K | ppm | --- | 800 (1) | --- | 4120 ± 150 (9) | 4200 | 3700 - 14900 | --- | 102 ± 16 (3) | 90 - 120 |
| La | ppm | --- | 4.4 (1) | --- | 15 ± 3 (8) | 14.8 | 10.9 - 19 | --- | 1.8 ± 0.4 (3) | 1.38 - 2.1 |
| Li | ppm | --- | --- | --- | 36 (1) | --- | --- | --- | --- | --- |
| Lu | ppb | --- | --- | --- | 176 ± 30 (6) | 180 | 134 - 220 | --- | 32 (2) | 27 - 36 |
| Mg | ppm | --- | 200 (1) | --- | 1200 ± 200 (4) | 1160 | 600 - 19900 | --- | 970 (2) | 940 - 1000 |
| Mn | ppm | --- | 6.0 (1) | 28 ± 2 | 30 ± 4 (10) | 29 | 20 - 720 | 21.4 ± 1.5 | 22 ± 2 (4) | 19 - 24 |
| Mo | ppm | --- | 2 (1) | --- | 2.0 (1) | --- | --- | --- | 0.27 (1) | --- |
| N | % | --- | --- | --- | 1.23 ± 0.04 (4) | --- | 1.19 ± 1.27 | --- | 1.26 (2) | 1.0 - 1.52 |

TABLE 11 (cont)

| | | 1630 | | 1632A | | | | 1635 | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Literature | NBS | Literature | | | NBS | Literature | |
| Element | Units | NBS | $\bar{x} \pm s$ (n) | (1978) | $\bar{x} \pm s$ (n) | Median | Range | (1978) | $\bar{x} \pm s$ (n) | Range |
| Na | ppm | --- | 405 (2) | --- | 830 ± 100 (11) | 840 | 680 - 4450 | --- | 2400 ± 200 (5) | 2200 - 2700 |
| Nb | ppm | --- | --- | --- | 4.0 (1) | --- | --- | --- | <1 (1) | --- |
| Nd | ppm | --- | --- | --- | 11.4 ± 1.3 (4) | 11.8 | 10 - 15.6 | --- | 1.4 (1) | --- |
| Ni | ppm | --- | 10 (1) | 19.4 ± 1.0 | 20 ± 2 (7) | 19.9 | 15.7 - 26 | 1.74 ± 0.1 | 2.2 ± 0.7 (3) | 1.72 - 3.0 |
| O | % | --- | --- | --- | 18.8 ± 0.8 (3) | --- | 18.31 - 19.8 | --- | 29.6 ± 7.7 (3) | 20.79 - 34.99 |
| P | ppm | --- | 17 (1) | --- | 260 ± 40 (4) | 280 | 85 - 1310 | --- | 63 (1) | --- |
| Pb | ppm | --- | 4 (1) | 12.4 ± 0.6 | 11 ± 3 (5) | 12.4 | 6.9 - 15.3 | 1.9 ± 0.2 | 2.0 (2) | 1.48 - 2.6 |
| Pb-210 | pCi/g | --- | --- | --- | 0.449 (1) | --- | --- | --- | 0.069 (1) | --- |
| Pr | ppm | --- | --- | --- | 3.2 (2) | --- | 3.0 - 3.3 | --- | --- | --- |
| Rb | ppm | --- | --- | 31 | 29.0 ± 0.5 (8) | 29 | 28.2 - 34 | --- | 0.8 (2) | 0.76 - 0.83 |
| S | % | --- | 1.22 (2) | 1.58±0.04 | 1.58 ± 0.06 (5) | 1.59 | 1.19 - 1.62 | 0.33 | 0.32 (1) | --- |
| Sb | ppm | --- | 1.15 (2) | 0.58 | 0.60 ± 0.12 (7) | 0.61 | 0.41 - 1.0 | 0.14 | 0.14 ± 0.02 (5) | 0.12 - 0.17 |
| Sc | ppm | --- | 1.4 (1) | 6.3 | 6.4 ± 0.3 (9) | 6.3 | 5.3 - 6.9 | 0.63 | 0.71 ± 0.14 (4) | 0.56 - 0.90 |
| Se | ppm | --- | 2.17 ± 0.21 (6) | 2.6 ± 0.7 | 2.6 ± 0.2 (7) | 2.58 | 2.4 - 3.1 | 0.9 ± 0.3 | 0.89 ± 0.08 (8) | 0.79 - 1.20 |
| Si | % | --- | 0.72 (1) | --- | 6.01 ± 0.16 (5) | 5.92 | 3.1 - 28 | --- | 0.54 (2) | 0.52 - 0.56 |
| Sm | ppm | --- | --- | --- | 2.4 ± 0.3 (10) | 2.1 | 1.1 - 2.8 | --- | 0.29 ± 0.04 (4) | 0.25 - 0.34 |
| Sn | ppm | --- | 6 (1) | --- | 4.5 (2) | --- | 1.0 - 8.1 | --- | <0.6 (1) | --- |
| Sr | ppm | --- | --- | --- | 89 ± 5 (5) | 90 | 84 - 96 | --- | 128 ± 9 (4) | 118 - 140 |
| Ta | ppb | --- | --- | --- | 410 ± 30 (3) | --- | 390 - 450 | --- | 45 (2) | 44 - 46 |
| Tb | ppb | --- | --- | --- | 310 ± 20 (4) | --- | 290 - 330 | --- | 35 (1) | --- |
| Te | ppb | --- | --- | --- | 500 (1) | --- | --- | --- | 600 (1) | --- |
| Th | ppm | --- | --- | 4.5 ± 0.1 | 4.5 ± 0.3 (8) | 4.3 | 3.1 - 5.0 | 0.62 ± 0.04 | 0.62 ± 0.03 (4) | 0.58 - 0.64 |
| Th-228 | pCi/g | --- | --- | --- | 0.449 (1) | --- | --- | --- | 0.0648 (1) | --- |
| Th-230 | pCi/g | --- | --- | --- | 0.452 (1) | --- | --- | --- | 0.0765 (1) | --- |
| Th-232 | pCi/g | --- | --- | --- | 0.484 (1) | --- | --- | --- | 0.0619 (1) | --- |
| Ti | ppm | --- | 500 (1) | 1750 | 1650 ± 100 (10) | 1620 | 1480 - 5990 | 200 | 202 ± 10 (4) | 190 - 210 |
| Tl | ppm | --- | --- | --- | <1 (1) | --- | --- | --- | <1 (1) | --- |
| Tm | ppb | --- | --- | --- | 400 (1) | --- | --- | --- | <1000 (1) | --- |
| U | ppm | --- | --- | 1.28 ± 0.02 | 1.22 ± 0.07 (11) | 1.24 | 1.0 - 1.45 | 0.24 ± 0.02 | 0.25 ± 0.06 (3) | 0.20 - 0.32 |
| U-234 | pCi/g | --- | --- | --- | 0.448 (1) | --- | --- | --- | 0.0719 (1) | --- |
| U-235 | fCi/g | --- | --- | --- | 22.8 (1) | --- | --- | --- | 4.9 (1) | --- |
| U-238 | pCi/g | --- | --- | --- | 0.444 (1) | --- | --- | --- | 0.073 (1) | --- |
| V | ppm | --- | 24 (1) | 44 ± 3 | 45 ± 2 (9) | 45 | 42 - 48 | 5.2 ± 0.5 | 4.26 ± 0.25 (3) | 4.0 - 4.5 |
| W | ppb | --- | --- | --- | 820 ± 170 (4) | --- | 600 - 1000 | --- | 173 (1) | --- |
| Y | ppm | --- | --- | --- | 7.9 ± 1.9 (3) | --- | 5.8 - 9.5 | --- | 1.9 (1) | --- |
| Yb | ppm | --- | --- | --- | 1.03 ± 0.12 (5) | 0.98 | 0.9 - 1.2 | --- | 0.16 ± 0.02 (3) | 0.14 - 0.175 |
| Zn | ppm | --- | 6 (1) | 28 ± 2 | 28 ± 2 (6) | 28 | 24.3 - 31 | 4.7 ± 0.5 | 6.9 ± 1.0 (4) | 5.6 - 7.8 |
| Zr | ppm | --- | 21 (1) | --- | 53 ± 5 (3) | --- | 47 - 57 | --- | 15.6 ± 0.5 (3) | 15 - 19.4 |

TABLE 12

ELEMENTAL CONCENTRATIONS IN NBS SRM 1632: TRACE ELEMENTS IN COAL

| Element | Units | NBS (1974) | Literature | | | Individual Means by Analytical Technique | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | $\bar{x} \pm s$ (n) | Median | Range | AA | ICPES | NAA | PAA | XRF | Others | |
| Ag | ppb | ≤100 | 63 ± 13 (5) | 65 | 45 - 1050 | --- | --- | 55 ± 9 (3) | --- | --- | --- | --- |
| Al | % | --- | 1.73 ± 0.11 (28) | 1.74 | 1.51 - 3.00 | 1.71 (2) | 1.72 ± 0.12 (5) | 1.76 ± 0.15 (21) | --- | --- | --- | --- |
| As | ppm | 5.9 ± 0.6 | 5.8 ± 0.5 (48) | 5.8 | 3.0 - 8.9 | 5.9 ± 0.6 (5) | 5.9 (2) | 5.7 ± 0.6 (29) | 6.0 ± 0.3 (6) | 4.8 ± 1.8 (3) | 5.4 (1) COLOR | --- |
| ASH | % | --- | 13.2 (1) | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Au | ppb | --- | 58 ± 90 (6) | --- | 0.85 - 200 | --- | --- | --- | --- | --- | --- | --- |
| B | ppm | --- | 41 ± 8 (7) | 43 | 29 - 118 | --- | --- | --- | --- | --- | 45 ± 3 (5) TCGS | --- |
| Ba | ppm | --- | 330 ± 37 (31) | 314 | 87 - 410 | --- | --- | 331 ± 32 (25) | --- | --- | --- | --- |
| Be | ppm | 1.5 | 1.62 ± 0.11 (10) | 1.64 | 1.2 - 1.85 | 1.6 ± 0.1 (6) | 1.8 ± 0.1 (3)[a] | 1.7 (1) | --- | --- | 1.5 (1) FLUOR | --- |
| Bi | ppm | --- | 1.05 (1) | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Br | ppm | --- | 17.7 ± 1.8 (27) | 18 | 7.8 - 38 | --- | --- | 18 ± 2 (24) | --- | 20 ± 3 (3) | --- | --- |
| C | % | --- | 70.4 ± 1.8 (4) | 70 | 68.93 - 73.0 | --- | --- | --- | --- | --- | 71.0 ± 1.7 (3) TCGS | --- |
| Ca | ppm | --- | 4200 ± 500 (26) | 4200 | 2400 - 7000 | --- | 4400 ± 400 (5)[a] | 4000 ± 600 (16) | --- | --- | --- | --- |
| Cd | ppb | 190 ± 30 | 220 ± 40 (24) | 210 | 170 - 700 | 230 ± 15 (7) | --- | 215 (2) | 205 ± 24 (6) | --- | 310 (1) IDMS | 270 ± 120 (3) SSMS<br>187 ± 12 (3) TCGS |
| Ce | ppm | --- | 21 ± 2 (22) | 20 | 17.3 - 30 | --- | --- | 20 ± 2 (17) | --- | --- | --- | --- |
| Cl | ppm | --- | 880 ± 70 (26) | 890 | 80 - 1177 | --- | --- | 880 ± 70 (2) | --- | --- | 895 (2) TCGS | --- |
| Co | ppm | 6 | 5.6 ± 0.5 (33) | 5.7 | 3.9 - 11 | 6.1 ± 0.8 (3) | 4.9 ± 0.9 (3)[a] | 5.8 ± 0.5 (28) | --- | --- | --- | --- |
| Cr | ppm | 20.2 ± 0.5 | 19.9 ± 1.3 (37) | 20 | 8 - 35 | 20.3 ± 1.4 (6) | 18 ± 3 (3)[a] | 20.2 ± 1.8 (26) | --- | --- | --- | --- |
| Cs | ppm | --- | 1.52 ± 0.19 (24) | 1.46 | 0.35 - 3.5 | --- | --- | 1.6 ± 0.4 (24) | --- | --- | --- | --- |
| Cu | ppm | 18 ± 2 | 18 ± 2 (28) | 17.8 | 13 - 30 | 18.3 ± 1.8 (7) | 18.1 ± 0.9 (3)[a] | 15.8 ± 1.5 (6) | 28 ± 4 (3)[b] | 18 ± 3 (6) | 16.7 ± 1.7 (3) SSMS | --- |
| Dy | ppm | --- | 1.25 ± 0.22 (10) | 1.3 | 0.57 - 2.4 | --- | --- | 1.1 ± 0.3 (9) | --- | --- | --- | --- |
| Er | ppm | --- | 0.7 (1) | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Eu | ppb | --- | 355 ± 44 (23) | 365 | 210 - 500 | --- | --- | 350 ± 50 (20) | --- | --- | --- | --- |
| F | ppm | --- | 76 ± 16 (7) | 80 | 51 - 100 | --- | --- | --- | --- | --- | 76 ± 10 (4) ISE | --- |
| Fe | ppm | 8700 ± 300 | 8600 ± 400 (38) | 8600 | 6500 - 11300 | 8700 ± 400 (4) | 8400 ± 400 (5) | 8600 ± 600 (25) | --- | 7700 ± 700 (4) | --- | --- |
| Ga | ppm | --- | 5.8 ± 1.1 (16) | 5.8 | 4.5 - 9.0 | --- | --- | 5.5 ± 0.9 (11) | --- | --- | --- | --- |
| Gd | ppm | --- | 2.3 ± 1.0 (8) | 2.35 | 1.2 - 3.6 | --- | --- | 3.2 ± 0.6 (3)[a] | --- | --- | --- | --- |
| Ge | ppm | --- | 2.6 ± 0.4 (4) | 2.9 | 2 - 70 | --- | --- | --- | --- | --- | --- | --- |
| H | % | --- | 4.20 ± 0.16 (3) | --- | 4.02 - 4.30 | --- | --- | --- | --- | --- | 4.11 ± 0.16 (3) TCGS | --- |
| $H_2O$-T | % | --- | 2.6 (1) | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Hf | ppm | --- | 0.98 ± 0.10 (19) | 0.96 | 0.72 - 1.53 | --- | --- | 0.96 ± 0.11 (19) | --- | --- | --- | --- |
| Hg | ppb | 130 ± 30 | 120 ± 23 (19) | 120 | 88 - 950 | 117 ± 15 (7) | --- | 160 ± 50 (11) | 100 (3)[a] | --- | --- | --- |
| Ho | ppb | --- | 243 ± 6 (3) | --- | 240 - 250 | --- | --- | --- | --- | --- | --- | --- |
| I | ppm | --- | 3.1 ± 0.3 (11) | 3.3 | 2.68 - 6.63 | --- | --- | 3.8 ± 1.5 (10) | --- | --- | --- | --- |
| In | ppb | --- | 110 ± 90 (12) | 63 | 17 - 230 | --- | --- | 37 ± 33 (7)<br>210 (2) | --- | --- | --- | --- |
| Ir | ppb | --- | 2.8 ± 0.6 (3) | --- | 2.48 - 3.53 | --- | --- | --- | --- | --- | --- | --- |
| K | ppm | --- | 2810 ± 140 (32) | 2800 | 2500 - 4000 | --- | 2800 ± 200 (5) | 2900 ± 200 (23) | --- | --- | --- | --- |
| La | ppm | --- | 10.4 ± 0.8 (26) | 10.5 | 6.0 - 11.5 | --- | --- | 10.5 ± 0.9 (21) | --- | --- | --- | --- |
| Li | ppm | --- | 26 ± 2 (3) | --- | 24 - 29 | --- | --- | --- | --- | --- | --- | --- |
| Lu | ppb | --- | 128 ± 17 (13) | 130 | 100 - 416 | --- | --- | 137 ± 28 (12) | --- | --- | --- | --- |
| Mg | ppm | --- | 1600 ± 400 (24) | 1600 | 980 - 8200 | --- | 1400 ± 200 (5) | 1800 ± 500 (16) | --- | --- | --- | --- |
| Mn | ppm | 40 ± 3 | 41 ± 3 (41) | 41.1 | 28 - 47 | 39 ± 2 (5) | 44 ± 2 (3)[a] | 42 ± 2 (25) | --- | 38 ± 1 (4) | --- | --- |
| Mo | ppm | --- | 0.29 ± 0.08 (6)<br>3.8 ± 0.8 (10) | 0.30<br>3.5 | 0.20 - 5.0 | --- | 4.0 (2)[b] | 3.3 ± 1.7 (6) | 0.26 ± 0.05 (5)[a] | --- | --- | --- |
| N | % | --- | 1.27 ± 0.06 (3) | --- | 1.2 - 1.3 | --- | --- | --- | --- | --- | 1.27 ± 0.06 (3) TCGS | --- |
| Na | ppm | --- | 377 ± 26 (32) | 380 | 325 - 1200 | --- | 380 ± 30 (5)[a] | 380 ± 30 (23) | --- | --- | --- | --- |
| Nb | ppm | --- | 5 (1) | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Nd | ppm | --- | 8.8 ± 1.8 (7) | 9.5 | 6.4 - 17.8 | --- | --- | 12 ± 5 (5) | --- | --- | --- | --- |
| Ni | ppm | 15 ± 1 | 15 ± 2 (37) | 15 | 10 - 20.4 | 15.1 ± 1.4 (4) | 17 ± 2 (3)[a] | 16.2 ± 3.3 (12) | 13.9 ± 0.2 (5) | 14 ± 3 (5) | 14.7 ± 0.1 (3) IDMS<br>14.8 (1) POL | 15.3 (2) SSMS |
| O | % | --- | 15.05 (1) | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Os | ppm | --- | <1 (1) | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| P | ppm | --- | 150 ± 70 (9) | 138 | 71 - 270 | --- | 126 ± 32 (4)[a] | --- | --- | --- | 260 (2) COLOR | --- |
| Pb | ppm | 30 ± 9 | 28 ± 4 (28) | 28 | 12 - 33 | 28 ± 3 (8) | 21 ± 6 (4)[a] | --- | 30 ± 2 (7) | 25 ± 8 (4) | 28.7 (2) IDMS<br>28.4 (1) POL | 30 ± 3 (3) SSMS |
| Pd | ppb | --- | <5 (1) | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Pr | ppm | --- | 3.4 ± 1.3 (3) | --- | 2.0 - 4.6 | --- | --- | --- | --- | --- | --- | --- |
| Pt | ppb | --- | 230 (2) | --- | 186 - 270 | --- | --- | --- | --- | --- | --- | --- |
| Rb | ppm | --- | 20 ± 3 (29) | 20 | 10 - 30 | --- | --- | 20 ± 3 (22) | --- | 23 ± 5 (4) | --- | --- |
| Rh | ppm | --- | <5 (1) | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Ru | ppb | --- | 18 (1) | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| S | % | --- | 1.19 ± 0.20 (7) | 1.29 | 0.17 - 2.02 | --- | --- | --- | --- | 1.32 (2)[b] | 1.30 ± 0.02 (3) TCGS | --- |
| Sb | ppm | --- | 3.5 ± 0.5 (31) | 3.3 | 0.61 - 6.4 | --- | --- | 3.4 ± 0.6 (26) | 3.6 ± 0.5 (3)[a] | --- | --- | --- |
| Sc | ppm | --- | 3.78 ± 0.22 (25) | 3.8 | 3.4 - 5.4 | --- | --- | 3.8 ± 0.3 (21) | --- | --- | --- | --- |
| Se | ppm | 2.9 ± 0.3 | 3.0 ± 0.3 (41) | 3.0 | 1.1 - 5.5 | 2.3 (2) | --- | 3.1 ± 0.4 (28) | 3.00 ± 0.01 (5)[a] | 3.6 ± 1.3 (4) | 3.05 (1) ASV | --- |
| Si | % | 3.2 | 3.17 ± 0.16 (8) | 3.14 | 2.1 - 3.92 | --- | 3.18 ± 0.03 (4)[b] | --- | --- | --- | 2.95 (2) TCGS | --- |
| Sm | ppm | --- | 1.58 ± 0.19 (22) | 1.6 | 1.3 - 2.9 | --- | --- | 1.6 ± 0.2 (18) | --- | --- | --- | --- |
| Sn | ppm | --- | 8.8 ± 2.4 (10) | 10 | 2.0 - 125 | --- | 7.2 ± 2.9 (3)[a] | --- | 10.2 ± 0.4 (5)[a] | --- | --- | --- |
| Sr | ppm | --- | 145 ± 24 (30) | 148 | 1.0 - 280 | --- | 140 (1) | 144 ± 29 (23) | --- | 150 ± 5 (4) | --- | --- |
| Ta | ppb | --- | 250 ± 40 (17) | 250 | 170 - 460 | --- | --- | 260 ± 50 (17) | --- | --- | --- | --- |
| Tb | ppb | --- | 270 ± 80 (9) | 245 | 30 - 500 | --- | --- | 270 ± 80 (9) | --- | --- | --- | --- |
| Te | ppb | <100 | 710 ± 280 (3) | --- | 500 - 1020 | --- | --- | --- | --- | --- | --- | --- |
| Th | ppm | 3.0 | 3.2 ± 0.2 (22) | 3.2 | 1.3 - 4.7 | --- | --- | 3.2 ± 0.5 (20) | --- | --- | --- | --- |
| Ti | ppm | 800 | 940 ± 110 (35) | 938 | 680 - 1550 | 840 ± 170 (3) | 954 ± 16 (5) | 1000 ± 140 (19) | 920 ± 40 (3)[a] | --- | --- | --- |
| Tl | ppb | 590 ± 30 | 550 ± 50 (8) | 555 | 500 - 610 | --- | --- | --- | 530 ± 40 (5)[a] | --- | 600 ± 10 (3) SSMS | --- |
| Tm | ppb | --- | 240 ± 110 (3) | --- | 110 - 300 | --- | --- | --- | --- | --- | --- | --- |
| U | ppm | 1.4 ± 0.1 | 1.37 ± 0.13 (29) | 1.4 | 0.98 - 6.0 | --- | --- | 1.37 ± 0.13 (20) | 1.42 ± 0.13 (5)[b] | --- | 1.41 (2) GAMMA | 1.21 (2) IDMS |
| V | ppm | 35 ± 3 | 35 ± 2 (32) | 35 | 24 - 50 | 37 ± 4 (5) | 35 ± 3 (3)[a] | 35 ± 3 (22) | --- | --- | --- | --- |
| W | ppb | --- | 740 ± 60 (11) | 750 | 450 - 1900 | --- | --- | 700 ± 100 (11) | --- | --- | --- | --- |
| Y | ppm | -- | 7.6 ± 0.4 (5) | 7.6 | 7.0 - 8.0 | --- | --- | --- | --- | --- | --- | --- |
| Yb | ppb | --- | 790 ± 140 (21) | 790 | 550 - 1200 | --- | --- | 800 ± 140 (17) | --- | --- | --- | --- |
| Zn | ppm | 37 ± 4 | 37 ± 3 (45) | 37.5 | 30 - 58 | 38.4 ± 0.7 (6) | 38 ± 2 (3)[a] | 38 ± 6 (20) | 37.6 ± 1.2 (6) | 36 ± 2 (6) | --- | --- |
| Zr | ppm | --- | 34 ± 10 (10) | 38 | 1.56 - 90 | --- | 25 (1) | 55 ± 26 (6) | --- | 36 (2) | --- | --- |

[a]Only two analysts reporting.
[b]Only one analyst reporting.

TABLE 13

ELEMENTAL CONCENTRATIONS IN NBS SRM 1633: COAL FLY ASH (OLDER)

| Element | Units | NBS (1975) | Literature | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Individual Means by Analytical Technique | | | | | | |
| | | | $\bar{x} \pm s$ (n) | Median | Range | AA | ICPES | NAA | PAA | XRF | Others | |
| Ag | ppb | --- | 640 ± 590 (3) | --- | 258 - 1320 | --- | --- | --- | --- | --- | --- | --- |
| Al | % | --- | 12.6 ± 0.5 (33) | 12.6 | 10.4 - 14.3 | 13.0 ± 0.7 (4) | 12.5 ± 0.6 (4) | 12.6 ± 0.8 (22) | -- | 11.7 (1) | 13.2 ± 0.7 (3) OES | 12.5 ± 0.2 (3) TCGS |
| As | ppm | 61 ± 6 | 61 ± 4 (54) | 60 | 46 - 72 | 60 ± 5 (5) | 56 ± 1 (3) | 60 ± 5 (32) | 62 ± 2 (9) | 64 ± 2 (3) | --- | --- |
| Au | ppb | --- | 5.2 ± 2.6 (3) | --- | 2.75 - 1700 | --- | --- | 6 ± 3 (4) | --- | --- | --- | --- |
| B | ppm | --- | 440 ± 60 (10) | 438 | 100 - 500 | --- | --- | --- | --- | --- | 470 ± 30 (5) TCGS | --- |
| Ba | ppm | --- | 2650 ± 150 (41) | 2630 | 1800 - 3400 | 2600 ± 300 (3) | 2600 (2) | 2700 ± 200 (33) | 2603 ± 6 (3)[a] | 2400 ± 400 (4) | --- | --- |
| Be | ppm | 12 | 12.1 ± 0.8 (15) | 12 | 5 - 14 | 12.4 ± 0.5 (11) | 11.5 ± 1.0 (3) | --- | --- | --- | --- | --- |
| Bi | ppm | --- | 0.89 (2) | --- | 0.7 - 1.08 | --- | --- | --- | --- | --- | --- | --- |
| Br | ppm | --- | 8.4 ± 2.2 (22) | 7.7 | 5.8 - 12.1 | --- | --- | 8.6 ± 2.3 (20) | --- | --- | --- | --- |
| C | % | --- | 3.3 ± 0.2 (3) | --- | 3.05 - 3.45 | --- | --- | --- | --- | --- | --- | --- |
| Ca | % | --- | 4.6 ± 0.3 (40) | 4.62 | 3.50 - 5.30 | 4.5 ± 0.4 (3) | 4.64 ± 0.12 (4) | 4.5 ± 0.3 (19) | 4.7 ± 0.5 (6) | 4.7 ± 0.6 (3) TCGS | --- | |
| Cd | ppm | 1.45 ± 0.06 | 1.46 ± 0.14 (33) | 1.5 | 0.93 - 15 | 1.46 ± 0.16 (13) | 1.55 (2) | 1.36 ± 0.20 (5) | 1.35 ± 0.17 (6) | --- | 1.85 (1) IDMS<br>1.50 (1) POL | ---<br>1.53 ± 0.06 (3) TCGS |
| Ce | ppm | --- | 149 ± 7 (26) | 149.6 | 125 - 210 | --- | --- | 150 ± 12 (24) | --- | 154 ± 6 (3) | 153 ± 1 (4)[b] TCGS | --- |
| Cl | ppm | --- | 35 ± 17 (13) | 40 | 19.6 - 185 | --- | --- | 39 ± 14 (10) | 23 ± 3 (3)[a] | --- | --- | --- |
| Co | ppm | 38 | 40 ± 2 (37) | 40.1 | 26 - 50 | 39 ± 4 (5) | 36 ± 9 (3) | 40 ± 2 (26) | 40 ± 3 (5)[b] | --- | --- | --- |
| Cr | ppm | 131 ± 2 | 128 ± 8 (50) | 130 | 112 - 180 | 130 ± 5 (8) | 122 ± 8 (3) | 128 ± 7 (27) | 135 ± 6 (5)[b] | 131 ± 17 (5) | --- | --- |
| Cs | ppm | --- | 8.6 ± 0.7 (24) | 8.35 | 0.63 - 13.8 | --- | --- | 8.4 ± 1.0 (26) | 6 ± 4 (3)[a] | --- | --- | --- |
| Cu | ppm | 128 ± 5 | 129 ± 7 (33) | 129 | 70 - 198 | 127 ± 4 (10) | 128 ± 8 (3) | 128 ± 11 (7) | 138 ± 3 (3)[a] | 129 ± 5 (6) | 135 ± 9 (3)[b] TCGS | |
| Dy | ppm | --- | 10 ± 1 (9) | 10.2 | 7.6 - 19 | --- | --- | 10.0 ± 1.2 (10) | --- | --- | --- | --- |
| Er | ppm | --- | 11 (1) | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Eu | ppm | --- | 2.6 ± 0.2 (22) | 2.58 | 1.9 - 5.3 | --- | --- | 2.6 ± 0.3 (22) | --- | --- | --- | --- |
| F | ppm | --- | 15 (2) | --- | 10 - 20 | --- | --- | --- | --- | --- | --- | --- |
| Fe | % | --- | 6.14 ± 0.24 (50) | 6.20 | 4.23 - 7.0 | 6.3 ± 0.4 (7) | 6.2 ± 0.2 (5) | 6.2 ± 0.4 (27) | 5.4 ± 1.0 (5) | 6.10 ± 0.12 (7) | 5.9 ± 0.3 (3) | 6.3 ± 0.4 (3) TCGS |
| Ga | ppm | --- | 42 ± 4 (15) | 42 | 34.3 - 72 | --- | --- | 40 ± 3 (10) | --- | 43 ± 5 (3) | --- | --- |
| Gd | ppm | --- | 11.6 ± 0.5 (4) | 11.8 | 11 - 23 | --- | --- | --- | --- | --- | --- | --- |
| Ge | ppm | --- | 22 ± 4 (4) | 25 | 19 - 476 | --- | --- | --- | --- | --- | --- | --- |
| H | ppm | --- | 1100 (2) | --- | 1000 - 1200 | --- | --- | --- | --- | --- | --- | --- |
| $H_2O^-$ | % | --- | 0.03 (1) | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| $H_2O$-T | % | --- | 0.17 (1) | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Hf | ppm | --- | 7.6 ± 0.5 (20) | 7.62 | 6.5 - 10.8 | --- | --- | 7.5 ± 0.5 (23) | --- | --- | --- | --- |
| Hg | ppb | 140 ± 10 | 136 ± 17 (14) | 141 | 100 - 11000 | 130 ± 9 (4) | --- | 145 ± 12 (7) | 160 ± 30 (6)[b] | --- | --- | --- |
| Ho | ppm | --- | 2.5 ± 1.0 (3) | --- | 1.94 - 3.6 | --- | --- | --- | --- | --- | --- | --- |
| I | ppm | --- | 2.7 ± 0.4 (5) | 2.9 | 2.0 - 3.0 | --- | --- | 2.7 ± 0.5 (4) | --- | --- | --- | --- |
| In | ppb | --- | 220 ± 80 (10) | 280 | 118 - 3000 | --- | --- | 210 ± 90 (10) | 287 ± 6 (3)[a] | --- | --- | --- |
| Ir | ppb | --- | --- | --- | 15 - 18600 | --- | --- | 18 ± 2 (3)<br>250 (2) | --- | --- | --- | --- |
| K | % | 1.72 | 1.69 ± 0.09 (40) | 1.70 | 1.29 - 3.30 | 1.66 ± 0.06 (3) | 1.61 ± 0.11 (3)[b] | 1.74 ± 0.11 (24) | 1.60 ± 0.01 (4)[b] | 1.68 ± 0.05 (4) | 1.74 ± 0.04 (3) TCGS | |
| La | ppm | --- | 79 ± 5 (28) | 80 | 45 - 110 | --- | --- | 79 ± 7 (26) | --- | 77 ± 5 (3) | --- | --- |
| Li | ppm | --- | 170 ± 110 (3) | --- | 1.7 - 300 | --- | --- | --- | --- | --- | --- | --- |
| Lu | ppm | --- | 1.08 ± 0.23 (11) | 1.06 | 0.87 - 4.0 | --- | --- | 1.13 ± 0.30 (13) | --- | --- | --- | --- |
| Mg | % | --- | 1.60 ± 0.25 (30) | 1.52 | 1.01 - 6.30 | 1.29 ± 0.14 (3) | 1.4 ± 0.3 (4) | 1.7 ± 0.2 (17) | 1.48 ± 0.03 (5)[b] | --- | 1.6 ± 0.2 (3) OES | 1.8 ± 0.5 (3) TCGS |
| Mn | ppm | 493 ± 7 | 496 ± 18 (51) | 496 | 351 - 570 | 490 ± 40 (12) | 503 ± 18 (3) | 490 ± 24 (25) | 493 ± 2 (5)[b] | 508 ± 18 (6) | 485 ± 22 (3) OES | --- |
| Mo | ppm | --- | 28 ± 6 (13) | 25.3 | 0.5 - 37 | --- | --- | 27 ± 5 (8) | 0.8 ± 0.6 (3)[a] | --- | --- | --- |
| N | ppm | --- | <1000 (1) | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Na | ppm | --- | 3100 ± 200 (36) | 3200 | 2600 - 9700 | 3160 ± 150 (3) | 3000 ± 100 (3)[b] | 3100 ± 200 (25) | 3500 ± 300 (5)[b] | --- | 5200 ± 3900 (3) OES | 3200 ± 300 (3) TCGS |
| Nb | ppm | --- | 20 ± 11 (3) | --- | 7 - 28 | --- | --- | --- | --- | --- | --- | --- |
| Nd | ppm | --- | 63 ± 7 (11) | 62 | 58 - 94 | --- | --- | 64 ± 7 (10) | --- | --- | 62 (2) TCGS | --- |
| Ni | ppm | 98 ± 3 | 98 ± 6 (41) | 98 | 69 - 128 | 96 ± 9 (8) | 107 ± 18 (3) | 99 ± 14 (14) | 97 ± 5 (9) | 98 ± 6 (6) | 96 (3)[a] IDMS | 98 (1) POL |
| O | % | --- | 47.02 (1) | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Os | ppb | --- | <400 (2) | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| P | ppm | --- | 1020 ± 150 (4) | 1140 | 880 - 3000 | --- | --- | --- | --- | --- | --- | --- |
| Pb | ppm | 70 ± 4 | 72 ± 6 (37) | 71 | 40 - 100 | 74 ± 7 (13) | 74 ± 9 (3) | --- | 70 ± 2 (7) | 67 ± 3 (4) | 78 (2) IDMS | 67 (1) POL<br>59 ± 17 (3)[b] SSMS |
| Pb-210 | pCi/g | --- | 3.37 (1) | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Pd | ppb | --- | <2 (3) | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Pr | ppm | --- | 26 (2) | --- | 24 - 28 | --- | --- | --- | --- | --- | --- | --- |
| Pt | ppb | --- | 0.7 ± 0.6 (3) | --- | 0.4 - 1.38 | --- | --- | --- | --- | --- | --- | --- |
| Rb | pm | 112 | 115 ± 8 (28) | 115 | 70 - 150 | --- | --- | 117 ± 10 (24) | 111 ± 15 (5) | 115 ± 7 (5) | --- | --- |
| Re | ppb | --- | <200 (1) | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Rh | ppb | --- | <500 (3) | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Ru | ppb | --- | --- | --- | 0.26 - 3.0 | --- | --- | --- | --- | --- | --- | --- |
| S | ppm | --- | 4000 ± 300 (4)<br>8400 (2) | 4000 | 2000 - 9000 | --- | --- | --- | --- | --- | 4100 ± 300 (3) TCGS | --- |
| Sb | ppm | --- | 6.8 ± 0.5 (31) | 6.9 | 4.0 - 12.1 | --- | --- | 6.8 ± 0.6 (26) | 7.07 ± 0.06 (6) | --- | --- | --- |
| Sc | ppm | --- | 26.6 ± 1.7 (25) | 26.9 | 20 - 41 | --- | --- | 27 ± 2 (26) | 25 ± 4 (3)[a] | --- | --- | --- |
| Se | ppm | 9.4 ± 0.5 | 9.6 ± 0.6 (42) | 9.75 | 3.2 - 35 | 7.4 ± 3.7 (3) | --- | 9.7 ± 0.7 (28) | 9.7 ± 0.3 (6)[b] | 9.6 ± 1.2 (3) | --- | --- |
| Si | % | --- | 22.1 ± 1.1 (17) | 21.8 | 16.0 - 24.5 | --- | --- | 22.9 ± 0.5 (4) | 20.3 ± 0.6 (3)[b] | 22.1 ± 0.8 (3) | 20.4 ± 2.4 (3) | --- |
| Sm | ppm | --- | 12.7 ± 1.1 (21) | 12.6 | 10 - 20 | --- | --- | 12.6 ± 1.3 (21) | --- | --- | --- | --- |
| Sn | ppm | --- | 8.6 ± 3.6 (9) | 10.2 | 3 - 740 | --- | --- | --- | 12.2 ± 0.3 (3)[a] | --- | --- | --- |
| $SO_4$ | % | --- | 0.98 (1) | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sr | ppm | 1380 | 1380 ± 100 (36) | 1390 | 126 - 8000 | --- | 1500 (2) | 1410 ± 120 (26) | 1320 ± 70 (5)[b] | 1100 ± 500 (6) | --- | --- |
| Ta | ppm | --- | 1.91 ± 0.12 (18) | 1.95 | 1.6 - 3.5 | --- | --- | 1.93 ± 0.23 (22) | --- | --- | --- | --- |
| Tb | ppm | --- | 1.8 ± 0.3 (14) | 2.0 | 0.22 - 3.3 | --- | --- | 1.8 ± 0.3 (16) | --- | --- | --- | --- |
| Te | ppm | --- | 1.8 ± 0.8 (3) | --- | 0.92 - 9.9 | --- | --- | --- | 2.31 ± 0.01 (3)[a] | --- | --- | --- |
| Th | ppm | 24 | 24.6 ± 1.4 (22) | 24.2 | 20 - 32 | --- | --- | 24.7 ± 1.2 (20) | --- | --- | --- | --- |
| Th-228 | pCi/g | --- | 2.23 (1) | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Th-230 | pCi/g | --- | 3.74 (1) | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Th-232 | pCi/g | --- | 2.45 (1) | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Ti | ppm | --- | 7300 ± 300 (35) | 7250 | 3000 - 8900 | 7700 ± 1000 (3) | 7200 ± 200 (4) | 7100 ± 600 (22) | 7400 ± 200 (6) | 6900 ± 2000 (6) | 7120 ± 140 (3) TCGS | --- |
| Tl | ppm | 4 | 3.4 ± 0.6 (7) | 3.75 | 2.0 - 18 | --- | --- | --- | 3.64 ± 0.12 (6) | --- | --- | --- |
| Tm | ppm | --- | 1.3 (2) | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| U | ppm | 11.6 ± 0.2 | 11.8 ± 0.7 (26) | 11.85 | 8.4 - 15 | --- | --- | 11.7 ± 1.0 (19) | 11.8 ± 0.5 (5)[a] | --- | 11.8 (2) IDMS | --- |
| U-234 | pCi/g | --- | 4.07 (1) | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| U-235 | pCi/g | --- | 0.179 (1) | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| U-238 | pCi/g | --- | 4.01 (1) | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| V | ppm | 21[illegible] ± 8 | 221 ± 20 (37) | 223 | 151 - 410 | 260 ± 100 (4) | 225 ± 7 (3) | 228 ± 15 (21) | 209 ± 1 (3)[a] | 210 ± 50 (5) | --- | --- |
| W | ppm | --- | 4.8 ± 0.7 (15) | 4.8 | 3.8 - 12.7 | --- | --- | 4.8 ± 0.7 (16) | --- | --- | --- | --- |
| Y | ppm | --- | 63 ± 7 (10) | 66 | 30 - 150 | --- | --- | --- | 64 ± 3 (4) | 65 ± 4 (3) | --- | --- |
| Yb | ppm | --- | 6.2 ± 1.0 (19) | 6.2 | 4.7 - 9.0 | --- | --- | 6.3 ± 1.0 (18) | --- | --- | --- | --- |
| Zn | ppm | 210 ± 20 | 210 ± 9 (54) | 212 | 180 - 700 | 210 ± 13 (13) | 216 ± 8 (5) | 215 ± 19 (23) | 213 ± 6 (7) | 207 ± 7 (7) | --- | --- |
| Zr | ppm | --- | 300 ± 60 (21) | 301 | 160 - 640 | --- | --- | 350 ± 80 (14) | 300 ± 1 (6)[b] | 302 ± 11 (3) | --- | --- |

[a]Only one analyst reporting.
[b]Only two analysts reporting.

TABLE 14

ELEMENTAL CONCENTRATIONS IN NBS SRM 1633A: COAL FLY ASH (NEWER)

| Element | Units | NBS (1979) | Literature | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | Individual Means by Analytical Technique | | |
| | | | $\bar{x} \pm s$ (n) | Median | Range | NAA | TCGS | Other |
| Ag | ppb | --- | <600 (1) | --- | --- | --- | --- | --- |
| Al | % | 14 | 14.4 ± 0.4 (9) | 14.2 | 13.8 - 15.0 | 14.1 ± 0.2 (4) | 14.0 (2) | --- |
| As | ppm | 145 ± 15 | 144 ± 2 (8) | 145 | 97 - 148 | 145 ± 2 (5) | --- | --- |
| B | ppm | --- | 39.7 ± 1.3 (4) | --- | 39 - 41.6 | --- | 40 ± 1 (4) | --- |
| Ba | ppm | 1500 | 1400 ± 200 (14) | 1470 | 1060 - 1760 | 1480 ± 140 (9) | --- | --- |
| Be | ppm | 12 | --- | --- | --- | --- | --- | --- |
| Br | ppm | --- | 2.3 (2) | --- | 2.2 - 2.4 | --- | --- | --- |
| Ca | % | 1.11 ± 0.01 | 1.12 ± 0.04 (10) | 1.12 | 1.05 - 1.29 | 1.10 ± 0.03 (5) | 1.29 (2) | --- |
| Cd | ppm | 1.0 ± 0.15 | 1.07 (1) | --- | --- | --- | --- | --- |
| Ce | ppm | 180 | 175 ± 8 (7) | 177 | 163 - 230 | 176 ± 10 (5)[a] | --- | |
| Cl | ppm | --- | <69 (1) | --- | --- | --- | --- | --- |
| Co | ppm | 46 | 43 ± 4 (8) | 44 | 37 - 47 | 43 ± 4 (6)[a] | --- | --- |
| Cr | ppm | 196 ± 6 | 193 ± 5 (9) | 194 | 185 - 200 | 193 ± 5 (5)[a] | --- | --- |
| Cs | ppm | 11 | 10.0 ± 0.4 (7) | 10.1 | 9.3 - 10.6 | 10.6 ± 0.5 (6)[a] | --- | --- |
| Cu | ppm | 118 ± 3 | 120 (1) | --- | --- | --- | --- | --- |
| Dy | ppm | --- | 15.4 ± 1.2 (5) | 15 | 14.3.-16.8 | 15.1 ± 1.0 (4) | --- | --- |
| Eu | ppm | 4 | 3.5 ± 0.3 (7) | 3.62 | 2.0 - 3.7 | 3.5 ± 0.3 (6) | --- | --- |
| Fe | % | 9.40 ± 0.10 | 9.45 ± 0.17 (10) | 9.40 | 8.84 - 9.70 | 9.45 ± 0.16 (6)[a] | 9.70 (2) | --- |
| Ga | ppm | 58 | 55 ± 3 (5) | 55.7 | 51 - 59 | 57 ± 2 (3)[a] | --- | --- |
| Gd | ppm | --- | 19 (2) | --- | 15.3 - 23.5 | --- | --- | --- |
| $H_2O$-T | % | --- | 0.35 (1) | --- | --- | --- | --- | --- |
| Hf | ppm | 7.6 | 7.2 ± 0.5 (8) | 73 | 6.3 - 7.8 | 7.4 ± 0.5 (6)[a] | --- | --- |
| Hg | ppb | 160 ± 10 | 150 (2) | --- | 150 - 151 | --- | --- | --- |
| I | ppm | --- | <5 (1) | --- | --- | --- | --- | --- |
| In | ppb | --- | 156 (2) | --- | 151 - 160 | --- | --- | --- |
| K | % | 1.88 ± 0.06 | 1.89 ± 0.06 (11) | 1.88 | 1.80 - 1.99 | 1.88 ± 0.07 (5) | 1.97 (2) | 1.95 (2) AA |
| La | ppm | --- | 83 ± 3 (6) | 84 | 62 - 100 | 83 ± 3 (6) | --- | --- |
| Lu | ppm | --- | 1.1 ± 0.3 (3) | --- | 0.93 - 1.44 | --- | --- | --- |
| Mg | ppm | 4550 ± 10 | 4300 ± 300 (5) | 4540 | 3800 - 8000 | --- | --- | --- |
| Mn | ppm | 190 | 210 ± 35 (10) | 191 | 170 - 277 | 220 ± 40 (6) | 190 (2) | --- |
| Mo | ppm | 29 | 31 ± 4 (3) | --- | 27 - 36 | --- | --- | --- |
| Na | ppm | 1700 ± 100 | 1750 ± 120 (10) | 1750 | 1560 - 2200 | 1740 ± 40 (6) | 2100 (2) | --- |
| Nd | ppm | --- | 79 ± 23 (4) | 71 | 65.6 - 122 | --- | --- | --- |
| Ni | ppm | 127 ± 4 | 124 ± 12 (4) | --- | 112 - 139 | --- | --- | --- |
| O | % | --- | 47.66 (1) | --- | --- | --- | --- | --- |
| P | ppm | --- | 1830 ± 150 (3) | --- | 1700 - 2000 | --- | --- | --- |
| Pb | ppm | 72.4 ± 0.4 | 65 (1) | --- | --- | --- | --- | --- |
| Pr | ppm | --- | 18 (2) | --- | 17.9 - 18.9 | --- | --- | --- |
| Rb | ppm | 131 ± 2 | 140 ± 12 (8) | 136 | 124 - 163 | 142 ± 14 (5)[a] | --- | --- |
| S | ppm | --- | 2700 (1) | --- | --- | --- | --- | --- |
| Sb | ppm | 7 | 7.1 ± 0.6 (6) | 7.2 | 6.3 - 7.8 | 7.3 ± 0.5 (5) | --- | --- |
| Sc | ppm | 40 | 38 ± 3 (8) | 40 | 34 - 43 | 40 ± 2 (6)[a] | --- | --- |
| Se | ppm | 10.3 ± 0.6 | 9.5 ± 1.0 (7) | 9.4 | 7.8 - 10.7 | 9.9 ± 0.6 (4)[a] | --- | --- |
| Si | % | 22.8 ± 0.8 | 23.5 ± 0.8 (5) | 23.37 | 18.0 - 24.2 | --- | --- | --- |
| Sm | ppm | --- | 17 ± 2 (7) | 16.6 | 14.5 - 20.0 | 17 ± 2 (5) | --- | --- |
| Sr | ppm | 830 ± 30 | 822 ± 25 (8) | 819 | 740 - 850 | 800 ± 37 (6) | --- | --- |
| Ta | ppm | --- | 1.89 ± 0.14 (7) | 1.8 | 1.71 - 2.10 | 1.91 ± 0.13 (6)[a] | --- | --- |
| Tb | ppm | --- | 2.4 ± 0.4 (5) | 2.3 | 2.1 - 2.9 | 2.5 ± 0.4 (4)[a] | --- | --- |
| Te | ppm | --- | <6.6 (1) | --- | --- | --- | --- | --- |
| Th | ppm | 24.7 3 | 24.6 ± 1.0 (8) | 24.8 | 22.4 - 28 | 24.8 ± 0.2 (5)[a] | --- | --- |
| Ti | ppm | 8000 | 8100 ± 200 (10) | 8200 | 7800 - 9000 | 8100 ± 200 (6) | 8400 (2) | --- |
| Tl | ppm | 5.7 ± 0.2 | 4.4 (1) | --- | --- | --- | --- | --- |
| U | ppm | 10.2 ± 0.1 | 10.4 ± 0.2 (4) | 10.4 | 9.8 - 11 | 10.3 ± 0.3 (9) | --- | --- |
| V | ppm | 300 | 289 ± 7 (8) | 291 | 280 - 360 | 293 ± 5 (5) | --- | --- |
| W | ppm | --- | 5.9 ± 0.7 (4) | --- | 5.4 - 6.9 | 5.8 ± 0.8 (4)[a] | --- | --- |
| Yb | ppm | --- | 8.2 ± 1.3 (4) | --- | 6.9 - 10 | 8.6 ± 1.3 (3)[a] | --- | --- |
| Zn | ppm | 220 ± 10 | 235 ± 16 (7) | 230 | 218 - 256 | 233 ± 20 (3)[a] | --- | --- |
| Zr | ppm | --- | 370 ± 50 (4) | --- | 300 - 410 | --- | --- | --- |

[a]Only two analysts reporting.

TABLE 15

ELEMENTAL CONCENTRATIONS IN NEWER NBS SILICATE ROCK, SEDIMENT, AND AIR PARTICULATE STANDARD REFERENCE MATERIALS

| | | 278 | | 688 | | 1645 | | 1646 | | 1648 | | 1649 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Element | Units | NBS (1981) | Literature $\bar{x} \pm s$ (n) | NBS (1981) | Literature $\bar{x} \pm s$ (n) | NBS (1978) | Literature $\bar{x} \pm s$ (n) | NBS (1982) | Literature $\bar{x} \pm s$ (n) | NBS (1978) | Literature $\bar{x} \pm s$ (n) | NBS (1982) |
| Ag | ppb | --- | --- | --- | --- | --- | --- | --- | --- | 6 | 6.1 ± 0.3 (3) | 3.5 |
| Al | % | 7.49 ± 0.08 | 7.62 (2) | 9.18 ± 0.05 | 8.9 (2) | 2.1 | 2.40 (2) | 6.25 ± 0.20 | --- | 3.3 | 3.23 ± 0.17 (6) | --- |
| As | ppm | --- | 4.9 ± 0.2 (3) | --- | 2.7 (1) | 66 | 67 ± 3 (9) | 11.6 ± 1.3 | --- | 115 ± 10 | 117 ± 3 (6) | 67 |
| Au | ppb | --- | 2.1 (2) | --- | 0.9 (1) | --- | --- | --- | --- | --- | --- | --- |
| B | ppm | 25 | 25.1 ± 0.2 (3) | --- | 1.1 (2) | --- | 29.9 (1) | --- | 83 (1) | --- | 158 (1) | --- |
| Ba | ppm | 1140 | 1010 ± 110 (3) | 200 | 204 (2) | --- | 370 (2) | --- | --- | 737 | 780 ± 40 (5) | 569 |
| Be | ppm | --- | --- | --- | --- | --- | 1.0 (1) | 1.5 | --- | --- | 3.0 (1) | --- |
| Bi | ppb | --- | --- | --- | --- | --- | <100 (1) | --- | --- | --- | --- | --- |
| Br | ppm | --- | 2.8 ± 0.2 (3) | --- | --- | --- | --- | --- | --- | 500 | 505 ± 24 (6) | 1190 |
| C | % | 0.05 | --- | --- | --- | --- | --- | --- | --- | --- | 15.0 (2) | --- |
| $CO_2$ | % | 0.01 | --- | 0.05 | --- | --- | --- | --- | --- | --- | --- | --- |
| Ca | % | 0.703 ± 0.002 | 6900 ± 800 (3) | 8.70 | 8.05 (2) | 2.9 | 2.8 ± 0.3 (5) | 0.83 ± 0.03 | --- | --- | 5.8 ± 0.4 (7) | --- |
| Cd | ppm | --- | --- | --- | --- | 10.2 ± 1.5 | 10.1 ± 0.9 (8) | 0.36 ± 0.07 | --- | 75 ± 7 | 70 ± 4 (6) | 18 |
| Ce | ppm | 62.2 | 60 ± 5 (4) | 13.3 | 10 (1) | --- | 24 (2) | 80 | --- | 55 | 55 ± 4 (4) | 51.6 |
| Cl | ppm | --- | 640 (1) | --- | --- | --- | --- | --- | --- | 4500 | 4700 (2) | 2820 |
| Co | ppm | 1.5 | 1.93 ± 0.10 (3) | 49.7 | 52 (2) | 8 | 9.2 ± 1.3 (5) | 10.5 ± 1.3 | --- | 18 | 19 ± 5 (5) | 16.4 |
| Cr | ppm | 6.1 | 6.5 ± 0.2 (3) | 332 ± 9 | 329 (2) | 29600 ± 2800 | 31100 ± 1280 (12) | 76 ± 3 | --- | 403 ± 12 | 405 ± 19 (8) | 211 |
| Cs | ppm | 5.5 | 5.2 ± 0.2 (4) | --- | 0.21 (1) | --- | 2.8 (2) | 3.7 | 3.6 (1) | 3 | 3.5 ± 0.2 (3) | 2.85 |
| Cu | ppm | 5.9 ± 0.2 | --- | 96 | --- | 109 ± 19 | 110 ± 10 (10) | 18 ± 3 | --- | 609 ± 27 | 591 ± 12 (8) | --- |
| Eu | ppm | 0.84 | 0.80 ± 0.03 (4) | 1.07 | 0.96 (2) | --- | 0.5 (2) | 1.5 | --- | 0.8 | 0.85 ± 0.13 (3) | 0.87 |
| F | ppm | 500 | --- | 200 | --- | --- | 1740 (1) | --- | --- | --- | --- | --- |
| Fe | % | 1.43 ± 0.02 | 1.41 ± 0.18 (5) | 7.23 ± 0.03 | 7.19 ± 0.08 (3) | 11.3 ± 1.2 | 10.7 ± 0.6 (7) | 3.35 ± 0.10 | --- | 3.91 ± 0.10 | 3.90 ± 0.21 (11) | 3.00 |
| FeO | % | 1.36 ± 0.02 | --- | 7.64 ± 0.03 | --- | --- | --- | --- | --- | --- | --- | --- |
| Ga | ppm | --- | 11 (2) | --- | 57 (1) | --- | 38 (1) | --- | --- | --- | 40 (2) | --- |
| Gd | ppm | 5.3 | 5.0 ± 0.5 (3) | --- | 2.7 (2) | --- | --- | --- | --- | --- | --- | --- |
| Ge | ppm | --- | --- | --- | --- | --- | --- | 1.4 | --- | --- | --- | --- |
| H | % | --- | 0.089 (1) | --- | --- | --- | --- | --- | --- | --- | 2.23 (1) | --- |
| Hf | ppm | 8.4 | 8.0 ± 1.4 (3) | 1.6 | 1.52 (2) | --- | 1.39 (1) | --- | --- | 4.4 | 4.6 ± 0.5 (3) | 4.41 |
| Hg | ppb | --- | --- | --- | --- | 1100 ± 500 | 1130 ± 180 (5) | 63 ± 12 | --- | --- | --- | --- |
| I | ppm | --- | --- | --- | --- | --- | --- | --- | --- | 20 | 18 (2) | --- |
| In | ppm | --- | 0.044 (1) | --- | --- | --- | --- | --- | --- | 1.0 | 0.98 (1) | --- |
| K | % | 3.45 ± 0.02 | 3.7 ± 0.4 (4) | 0.155 ± 0.007 | 0.17 (1) | 1.2 | 1.07 (2) | 1.4 | --- | 1.0 | 1.03 ± 0.06 (5) | --- |
| La | ppm | --- | 32 ± 5 (4) | --- | 6.7 (2) | 9 | 15 (1) | --- | --- | 42 | 39 ± 3 (5) | 33.3 |
| Li | ppm | --- | --- | --- | --- | --- | --- | 49 | --- | --- | --- | --- |
| Lu | ppb | 730 | 780 ± 50 (4) | 340 | 342 (1) | --- | --- | --- | --- | --- | 34 (1) | --- |
| Mg | % | 0.14 | --- | 5.1 | 4.8 (2) | 2.4 | 1.8 (3) | 1.09 ± 0.08 | --- | 0.8 | 0.77 ± 0.04 (5) | --- |
| Mn | ppm | 400 ± 15 | 401 ± 26 (4) | 1290 ± 20 | 1200 ± 90 (3) | 785 ± 97 | 760 ± 13 (6) | 375 ± 20 | --- | 860 | 821 ± 47 (13) | --- |
| Mo | ppm | --- | 3.7 (2) | --- | --- | --- | 25 (1) | 2.0 | --- | --- | 19 (2) | 14 |
| N-Total | % | --- | --- | --- | --- | --- | --- | --- | --- | --- | 3.25 (1) | --- |

TABLE 15 (cont)

| Element | Units | 278 NBS (1981) | 278 Literature x̄ ± s (n) | 688 NBS (1981) | 688 Literature x̄ ± s (n) | 1645 NBS (1978) | 1645 Literature x̄ ± s (n) | 1646 NBS (1982) | 1646 Literature x̄ ± s (n) | 1648 NBS (1978) | 1648 Literature x̄ ± s (n) | 1649 NBS (1982) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N-Kjeldahl | ppm | --- | --- | --- | --- | 797 ± 48 | --- | --- | --- | --- | --- | --- |
| Na | % | 3.59 ± 0.04 | 3.3 ± 0.5 (4) | 1.60 ± 0.02 | 1.4 ± 0.3 (3) | 0.55 | 0.55 (2) | 2.0 | --- | 0.40 | 0.46 ± 0.07 (4) | --- |
| Nb | ppm | --- | --- | --- | --- | --- | 1.4 (1) | --- | --- | --- | 22 (1) | --- |
| Nd | ppm | --- | 28 (1) | --- | 10 (1) | --- | --- | --- | --- | --- | --- | --- |
| $NH_4$ | % | --- | --- | --- | --- | --- | --- | --- | --- | 2.01 ± 0.08 | --- | --- |
| Ni | ppm | 3.6 ± 0.3 | --- | 150 | 123 (1) | 45.8 ± 2.9 | 42 ± 9 (11) | 32 ± 3 | --- | 82 ± 3 | 88 ± 13 (7) | --- |
| $NO_3$ | % | --- | --- | --- | --- | --- | --- | --- | --- | 1.07 ± 0.06 | --- | --- |
| P | ppm | 160 ± 13 | --- | 580 ± 10 | --- | 510 ± 14 | --- | 540 ± 50 | --- | --- | --- | --- |
| Pb | ppm | 16.4 ± 0.2 | --- | 3.3 ± 0.2 | --- | 714 ± 28 | 708 ± 19 (8) | 28.2 ± 1.8 | --- | 6550 ± 80 | 6500 ± 300 (9) | --- |
| Pr | ppm | --- | --- | --- | --- | --- | 14 (1) | --- | --- | --- | 8 (1) | --- |
| Rb | ppm | 127.5 ± 0.3 | 137 ± 7 (3) | 1.91 ± 0.01 | --- | --- | 39.6 ± 1.4 (4) | 87 | --- | --- | 54 ± 3 (4) | 47 |
| S | % | --- | --- | --- | --- | --- | --- | 0.96 | --- | --- | 5.21 (1) | 3.27 |
| Sb | ppm | 1.5 | 1.7 ± 0.1 (4) | --- | 0.44 (2) | 51 | 31 ± 6 (10) | 0.4 | 0.85 (1) | 45 | 44 ± 2 (5) | 29.9 |
| Sc | ppm | 5.1 | 4.9 ± 0.5 (4) | 38.1 | 36.2 (2) | 2 | 2.6 (2) | 10.8 | 10.4 (1) | 7 | 6.7 ± 0.1 (4) | 8.73 |
| Se | ppm | --- | --- | --- | --- | --- | 1.2 ± 0.3 (4) | 0.6 | --- | 24 | 25 ± 2 (4) | 25.6 |
| Si | % | 34.11 ± 0.06 | 34.9 (2) | 22.6 ± 0.05 | 24.6 (1) | 24 | 30.6 (1) | 31 | --- | 12.5 | 13.5 ± 1.7 (6) | --- |
| Sm | ppm | 5.7 | 5.66 ± 0.04 (4) | 2.79 | 2.3 ± 0.2 (3) | --- | --- | --- | --- | 4.4 | 4.2 ± 0.2 (3) | 4.71 |
| Sn | ppm | --- | --- | --- | --- | --- | 313 (1) | --- | --- | --- | 147 (1) | 56 |
| $SO_4$ | % | --- | --- | --- | --- | --- | --- | --- | --- | 15.42 ± 0.14 | --- | --- |
| Sr | ppm | 63.5 ± 0.1 | --- | 169.2 ± 0.7 | 179. (1) | --- | 900 ± 90 (4) | --- | --- | --- | 207 ± 15 (3) | --- |
| Ta | ppm | 1.2 | 1.26 ± 0.05 (3) | --- | 0.31 (2) | --- | 0.22 (1) | --- | --- | --- | 7.0 (2) | --- |
| Tb | ppm | 1.0 | 1.18 ± 0.06 (4) | 0.448 | 0.49 (2) | --- | --- | --- | --- | --- | --- | --- |
| Te | ppb | --- | --- | --- | --- | --- | --- | 500 | --- | --- | --- | --- |
| Th | ppm | 12.4 ± 0.3 | 12.6 ± 0.4 (4) | 0.33 ± 0.02 | 0.46 (1) | 1.62 ± 0.22 | 1.8 (1) | 10 | --- | 7.4 | 7.6 ± 0.2 (3) | 6.63 |
| Ti | ppm | 1470 ± 40 | 1475 (2) | 7000 ± 60 | 7100 (2) | --- | 590 ± 220 (5) | 5100 | --- | 4000 | 4020 ± 140 (8) | --- |
| Tl | ppm | 0.54 ± 0.04 | --- | --- | --- | 1.44 ± 0.07 | 1.9 (1) | 0.5 | --- | --- | --- | --- |
| Tm | ppb | --- | 301 (1) | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| U | ppm | 4.58 ± 0.04 | 4.6 ± 0.3 (4) | 0.37 | 0.31 (2) | 1.11 ± 0.05 | 1.1 ± 0.3 (3) | --- | 3.0 (1) | 5.5 ± 0.1 | 5.6 ± 0.2 (3) | 2.65 |
| V | ppm | --- | --- | 250 | 235 (1) | 23.5 ± 6.9 | 26 ± 3 (3) | 88 ± 10 | --- | 130 | 118 ± 9 (5) | --- |
| W | ppm | --- | --- | --- | --- | --- | --- | --- | --- | 4.8 | 4.2 ± 0.7 (3) | 3.8 |
| Y | ppm | --- | --- | --- | --- | --- | 7.2 (2) | --- | --- | --- | 5 (1) | --- |
| Yb | ppm | 4.5 | 4.2 ± 0.8 (4) | 2.09 | 1.86 (1) | --- | 0.6 (1) | --- | --- | --- | 2 (1) | --- |
| Zn | ppm | 55 | 56 (2) | 58.0 | --- | 1720 ± 169 | 1640 ± 120 (12) | 138 ± 6 | --- | 4760 ± 140 | 4700 ± 160 (15) | 1670 |
| Zr | ppm | --- | 298 (2) | --- | 59 (1) | --- | 63 (2) | --- | --- | --- | 169 (1) | --- |

TABLE 16

ELEMENTAL CONCENTRATIONS AND URANIUM ISOTOPE RATIOS IN SEVERAL NBS STANDARD REFERENCE MATERIALS

| SRM No. | Element | Units | Literature | | | Certification Date |
|---|---|---|---|---|---|---|
| | | | NBS | $\bar{x} \pm s$ (n) | Range | |
| 1619 | S | ppm | 7190 ± 70 | --- | --- | 1981 |
| 1620a | S | % | 4.504 ± 0.010 | --- | --- | 1981 |
| 1621 | S | % | 1.05 ± 0.02 | 1.00 ± 0.07 (4) | 0.90 - 1.06 | 1967 |
| 1621a | S | % | 0.94 ± 0.01 | 0.94 ± 0.03 (6) | 0.89 - 0.973 | 1980 |
| 1621b | S | % | 0.950 ± 0.005 | --- | --- | 1981 |
| 1622a | S | % | 1.96 ± 0.04 | 1.90 ± 0.20 (4) | 1.60 - 2.02 | 1979 |
| 1622b | S | % | 1.982 ± 0.018 | --- | --- | 1981 |
| 1623 | S | ppm | 2680 ± 40 | 2710 ± 130 (4) | 2600 - 2900 | 1971 |
| 1623a | S | ppm | 2400 ± 30 | --- | --- | 1981 |
| 1624 | S | ppm | 2110 ± 40 | 2050 ± 120 (4) | 1900 - 2200 | 1971 |
| 1624a | S | ppm | 1410 ± 20 | --- | --- | 1981 |
| 1631A | Ash | % | 5.00 ± 0.02 | --- | --- | 1974 |
| | S | ppm | 5460 ± 30 | 5530 ± 270 (4) | 5260 - 5900 | --- |
| 1631B | Ash | % | 14.59 ± 0.09 | --- | --- | 1974 |
| | S | % | 2.016 ± 0.014 | 1.99 ± 0.05 (4) | 1.92 - 2.04 | --- |
| 1631C | Ash | % | 6.17 ± 0.02 | --- | --- | 1974 |
| | S | % | 3.020 ± 0.008 | 3.04 ± 0.07 (4) | 2.98 - 3.12 | --- |
| 1641 | Hg | ppm | 1.49 ± 0.05 | 1.47 (1) | --- | 1975 |
| 1642 | Hg | ppb | 1.18 ± 0.05 | --- | --- | 1974 |
| 1642A | Hg | ppb | 1.10 ± 0.06 | 1.30 (1) | --- | 1977 |
| 950A | U-238/235 | --- | "normal" | 138.1 ± 0.6 (4) | 137.55 - 138.9 | 1961 |
| 950B | U-238/234 | --- | "normal" | 17630 (1) | --- | 1978 |
| | U-238/235 | --- | "normal" | 137.4 (1) | --- | 1978 |

TABLE 17

ELEMENTAL CONCENTRATIONS IN NBS FUEL OIL STANDARD REFERENCE MATERIALS

| | | 1634 | | | | 1634A |
|---|---|---|---|---|---|---|
| | | | Literature | | | |
| Element | Units | NBS (1978) | $\bar{x} \pm s$ (n) | Median | Range | NBS (1982) |
| As | ppb | 95 | 81 ± 26 (5) | 70 | 56 - 120 | 120 |
| Au | ppb | --- | 24 (1) | --- | --- | --- |
| Be | ppb | <10 | --- | --- | --- | 6 |
| Br | ppb | --- | 39.8 ± 0.9 (4) | 40 | 39 - 240 | <1 |
| Ca | ppm | --- | 15 (1) | --- | --- | 16 |
| Cd | ppb | <10 | 5 (1) | --- | --- | 2 |
| Cl | ppm | -- | 8.1 ± 0.3 (3) | --- | 7.8 - 18 | 31 |
| Co | ppb | --- | 310 ± 50 (5) | 301 | 250 - 400 | 300 |
| Cr | ppb | 90 | 97 ± 15 (4) | --- | 80 - 116 | 700 |
| Cu | ppb | --- | 220 (1) | --- | --- | --- |
| Fe | ppm | 13.5 ± 1.0 | 14.2 ± 2.3 (14) | 14.1 | 10.8 - 25 | 31 |
| Hg | ppb | 2.3 | 12 (2) | --- | 2.3 - 22 | <2 |
| K | ppm | --- | 315 (1) | --- | --- | --- |
| Mn | ppb | 120 | 200 ± 90 (4) | --- | 110 - 320 | 190 ± 20 |
| Mo | ppb | --- | 870 (1) | --- | --- | 120 |
| Na | ppm | --- | 11.9 ± 0.9 (4) | --- | 11.2 - 13.2 | 87 ± 4 |
| Ni | ppm | 36 ± 4 | 36 ± 3 (16) | 36.4 | 31.1 - 39.5 | 29 ± 1 |
| Pb | ppb | 41 ± 5 | 46 (2) | --- | 41 - 50 | 2.80 ± 0.08 |
| S | % | 2.14 ± 0.02 | 2.13 ± 0.11 (9) | 2.15 | 2.0 - 2.3 | 2.85 ± 0.05 |
| Sb | ppb | --- | 11 ± 2 (3) | --- | 10 - 14 | --- |
| Se | ppb | --- | 187 ± 15 (3) | --- | 138 - 200 | 150 ± 20 |
| V | ppm | 320 ± 15 | 308 ± 16 (14) | 312 | 266 - 326 | 56 ± 2 |
| Zn | ppb | 230 ± 50 | 320 ± 160 (3) | --- | 170 - 480 | 2.7 ± 0.2 |

TABLE 18

ELEMENTAL CONCENTRATIONS IN NBS SULFUR IN COAL STANDARD REFERENCE MATERIALS

| Element | Units | 2682 NBS (1982) | 2683 NBS (1982) | 2684 NBS (1982) | 2685 NBS (1982) |
|---|---|---|---|---|---|
| Al | % | 0.46 | 0.86 | 1.1 | 1.7 |
| As | ppm | 1.0 | 3.6 | 3.9 | 12 |
| Ash | % | 6.37 ± 0.18 | 6.85 ± 0.02 | 11.09 ± 0.18 | 16.53 ± 0.15 |
| B | ppm | 39 | 67 | 114 | 109 |
| Ba | ppm | 382 | 71 | 41 | 105 |
| Br | ppm | 3.7 | 17 | 11 | 5.6 |
| C | % | 75 | 79 | 68 | 66 |
| Ca | % | 1.1 | 0.20 | 0.44 | 0.52 |
| Ce | ppm | 10 | 9 | 12 | 18 |
| Co | ppm | 1.7 | 2.2 | 3.9 | 4.6 |
| Cr | ppm | 15 | 11 | 17 | 22 |
| Cs | ppm | <0.1 | 0.4 | 1.2 | 1.3 |
| Eu | ppb | 170 | 180 | 230 | 360 |
| Fe | % | 0.24 | 0.76 | 1.5 | 2.9 |
| H | % | 4.7 | 5.0 | 4.8 | 4.6 |
| $H_2O^-$ | % | 18 | 1.4 | 3.6 | 1.8 |
| Hf | ppb | 600 | 420 | 570 | 910 |
| K | ppm | 100 | 800 | 2000 | 2600 |
| La | ppm | 5.2 | 5.1 | 6.7 | 10 |
| Mg | ppm | 6900 | 1900 | 3100 | 4200 |
| Mn | ppm | 26 | 13 | 36 | 41 |
| N | % | 0.8 | 1.6 | 1.6 | 1.1 |
| Na | ppm | 1000 | 500 | 300 | 800 |
| Rb | ppm | <2 | 5.3 | 15 | 17 |
| S | % | 0.47 ± 0.03 | 1.85 ± 0.06 | 3.00 ± 0.13 | 4.62 ± 0.18 |
| Sb | ppb | 190 | 280 | 350 | 360 |
| Sc | ppm | 1.5 | 1.9 | 2.7 | 3.7 |
| Se | ppm | 0.91 | 1.2 | 1.9 | 1.9 |
| Sm | ppm | 0.78 | 0.86 | 1.1 | 1.7 |
| Th | ppm | 1.5 | 1.4 | 2.0 | 2.7 |
| Ti | ppm | 500 | 400 | 600 | 900 |
| U | ppb | 520 | 420 | 900 | 950 |
| V | ppm | 15 | 14 | 22 | 31 |
| W | ppm | 1.8 | 0.48 | 0.56 | 1.2 |
| Zn | ppm | 8.6 | 9.5 | 110 | 17 |

TABLE 19

ELEMENTAL CONCENTRATIONS IN NBS WATER STANDARD REFERENCE MATERIALS

| Element | Units | 1643 NBS (1977) | 1643 Literature $\bar{x} \pm s$ (n) | 1643A NBS (1980) | 1643A Literature $\bar{x} \pm s$ (n) |
|---|---|---|---|---|---|
| Ag | ppb | 3.4 ± 0.4 | --- | 2.8 ± 0.3 | 2.7 (2) |
| Al | ppb | 77 ± 1 | 81 ± 3 (3) | --- | 57 (1) |
| As | ppb | 76 ± 1 | 76 ± 4 (4) | 76 ± 7 | 73 (2) |
| Ba | ppb | 18 | 18.3 ± 0.9 (5) | 46 ± 2 | 46 (2) |
| Be | ppb | 19 ± 1 | 20 (2) | 19 ± 2 | --- |
| Ca | ppm | --- | 24 (1) | --- | 28 (2) |
| Cd | ppb | 8 ± 1 | <15 (1) | 10 ± 1 | 9.3 ± 3.8 (3) |
| Cr | ppb | 15 ± 1 | --- | 17 ± 2 | 19 (2) |
| Co | ppb | 17 ± 1 | 20 (1) | 19 ± 2 | --- |
| Cu | ppb | 16 ± 1 | 15.7 ± 1.6 (3) | 18 ± 2 | 15 ± 4 (3) |
| Fe | ppb | 75 ± 1 | 79 (2) | 88 ± 4 | 70 ± 40 (3) |
| Hg | ppb | 2 | --- | <0.2 | --- |
| K | ppm | --- | --- | --- | 1.6 (2) |
| Mg | ppm | --- | 5.7 (1) | --- | 7.8 (2) |
| Mn | ppb | 29 ± 1 | 27.6 ± 1.2 (4) | 31 ± 2 | 21 (2) |
| Mo | ppb | 105 ± 3 | 107 (2) | 95 ± 6 | --- |
| Na | ppm | -- | 8.8 (1) | --- | 9 (2) |
| Ni | ppb | 49 ± 1 | 49.8 ± 1.4 (4) | 55 ± 3 | 57 (1) |
| $NO_3$ | ppm | --- | --- | --- | 1.0 (1) |
| Pb | ppb | 20 ± 1 | 23 (1) | 27 ± 1 | 32 ± 8 (3) |
| Se | ppb | 12 ± 1 | 11 (2) | 11 ± 1 | 10 (1) |
| Sr | ppb | 212 ± 4 | --- | 239 ± 5 | 236 (1) |
| Sn | ppb | --- | <20 (1) | --- | --- |
| V | ppb | 50 ± 1 | 45 (2) | 53 ± 3 | -- |
| Zn | ppb | 65 ± 3 | 62 (2) | 72 ± 4 | 66 ± 10 (3) |

TABLE 20

NBS ENVIRONMENTAL RADIOACTIVITY STANDARD REFERENCE MATERIALS

| | | 4350 | | 4350B | | 4353 | |
|---|---|---|---|---|---|---|---|
| Isotope | Units | NBS (1975) | Literature | NBS (1981) | Literature | NBS (1981) | Literature |
| K-40 | pCi/g | $1.40 \pm 0.13$ | --- | 15 | --- | $19.5 \pm 1.9$ | --- |
| | Bq/g | $5.4 \pm 0.5 \times 10^{-1}$ | --- | $5.6 \times 10^{-1}$ | --- | $7.23 \pm 0.69 \times 10^{-1}$ | --- |
| Mn-54 | fCi/g | $57 \pm 7$ | --- | --- | --- | --- | --- |
| | Bq/g | $2.1 \pm 0.2 \times 10^{-3}$ | --- | --- | --- | --- | --- |
| Fe-55 | pCi/g | 43 | --- | 0.46 | --- | 0.067 | --- |
| | Bq/g | 1.6 | --- | $1.7 \times 10^{-2}$ | --- | $2.49 \times 10^{-3}$ | --- |
| Co-60 | pCi/g | $4.00 \pm 0.22$ | --- | 0.125 | 0.13 (1) | --- | --- |
| | Bq/g | $1.48 \pm 0.08 \times 10^{-1}$ | --- | $4.64 \pm 0.23 \times 10^{-3}$ | --- | --- | --- |
| Zn-65 | fCi/g | $350 \pm 47$ | --- | --- | --- | --- | --- |
| | Bq/g | $1.30 \pm 0.18 \times 10^{-2}$ | --- | --- | --- | --- | --- |
| Sr-90 and Y-90 | fCi/g | $278 \pm 42$ | --- | 140 | | $206 \pm 21$ | --- |
| | Bq/g | $1.03 \pm 0.15 \times 10^{-2}$ | --- | $5.3 \times 10^{-3}$ | --- | $7.63 \pm 0.78 \times 10^{-3}$ | --- |
| Sb-125 | fCi/g | 95 | --- | --- | --- | --- | --- |
| | Bq/g | $3.5 \times 10^{-3}$ | --- | --- | --- | --- | --- |
| Cs-137 | pCi/g | $2.70 \pm 0.12$ | 2.5 (1) | $0.783 \pm 0.049$ | 0.85 (1) | $0.464 \pm 0.021$ | 0.52 (1) |
| | Bq/g | $1.00 \pm 0.04 \times 10^{-1}$ | --- | $2.90 \pm 0.18 \times 10^{-2}$ | --- | $1.76 \pm 0.08 \times 10^{-2}$ | --- |
| Eu-152 | pCi/g | $6.50 \pm 0.38$ | --- | $0.824 \pm 0.033$ | --- | --- | --- |
| | Bq/g | $2.4 \pm 0.1 \times 10^{-1}$ | --- | $3.05 \pm 0.12 \times 10^{-2}$ | --- | --- | --- |
| Eu-154 | pCi/g | $1.4 \pm 0.1$ | --- | $0.102 \pm 0.015$ | --- | --- | --- |
| | Bq/g | $5.2 \pm 0.4 \times 10^{-2}$ | --- | $3.78 \pm 0.57 \times 10^{-2}$ | --- | --- | --- |
| Eu-155 | fCi/g | 380 | --- | --- | --- | --- | --- |
| | Bq/g | $1.4 \times 10^{-2}$ | --- | --- | --- | --- | --- |
| Tl-208 | fCi/g | 380 | --- | --- | --- | --- | --- |
| | Bq/g | $14 \times 10^{-2}$ | --- | --- | --- | --- | --- |
| Pb-212 | pCi/g | 1.6 | --- | --- | --- | --- | --- |
| | Bq/g | $6 \times 10^{-2}$ | --- | --- | --- | --- | --- |
| Bi-212 | pCi/g | 1.4 | --- | --- | --- | --- | --- |
| | Bq/g | $5 \times 10^{-2}$ | --- | --- | --- | --- | --- |
| Pb-214 | pCi/g | 1.1 | --- | --- | --- | --- | --- |
| | Bq/g | $4.1 \times 10^{-2}$ | --- | --- | --- | --- | --- |
| Bi-214 | pCi/g | 0.92 | --- | --- | --- | --- | --- |
| | Bq/g | $3.4 \times 10^{-2}$ | -- | --- | --- | --- | --- |
| Ra-226 | pCi/g | 0.84 | --- | $0.967 \pm 0.097$ | --- | $1.16 \pm 0.08$ | --- |
| | Bq/g | $3.1 \times 10^{-2}$ | --- | $3.58 \pm 0.36 \times 10^{-2}$ | --- | $4.30 \pm 0.28 \times 10^{-2}$ | --- |
| Ac-228 | pCi/g | $0.92 \pm 0.18$ | --- | --- | --- | $1.88 \pm 0.10$ | --- |
| | Bq/g | $3.4 \pm 0.7 \times 10^{-2}$ | --- | --- | --- | $6.98 \pm 0.36 \times 10^{-2}$ | --- |
| Th-228 | pCi/g | 1.07 | --- | 0.904 | --- | $1.91 \pm 0.10$ | --- |
| | Bq/g | $3.95 \times 10^{-2}$ | --- | $3.35 \times 10^{-2}$ | --- | $7.08 \pm 0.36 \times 10^{-2}$ | --- |
| Th-230 | pCi/g | 0.988 | --- | 0.796 | 0.80 (1) | $1.20 \pm 0.06$ | 1.20 (1) |
| | Bq/g | $3.66 \times 10^{-2}$ | --- | $2.95 \times 10^{-2}$ | --- | $4.43 \pm 0.22 \times 10^{-2}$ | --- |
| Th-232 | pCi/g | 0.84 | --- | 0.896 | --- | $1.87 \pm 0.10$ | --- |
| | Bq/g | $3.4 \times 10^{-2}$ | --- | $3.32 \times 10^{-2}$ | --- | $6.93 \pm 0.35 \times 10^{-2}$ | --- |
| Pa-231 | fCi/g | 47 | --- | --- | --- | --- | --- |
| | Bq/g | $1.75 \times 10^{-3}$ | --- | --- | --- | --- | --- |
| U-234 | pCi/g | 1.34 | --- | 0.896 | --- | $1.06 \pm 0.04$ | --- |
| | Bq/g | $4.96 \times 10^{-2}$ | --- | $3.32 \times 10^{-2}$ | --- | $3.91 \pm 0.14 \times 10^{-2}$ | --- |
| U-235 | fCi/g | 50 | --- | 46 | --- | 51 | --- |
| | Bq/g | $1.85 \times 10^{-3}$ | --- | $1.7 \times 10^{-3}$ | --- | $1.9 \times 10^{-3}$ | --- |
| U-238 | pCi/g | 1.14 | --- | 0.832 | --- | $1.05 \pm 0.05$ | --- |
| | Bq/g | $4.42 \times 10^{-2}$ | --- | $3.08 \times 10^{-2}$ | --- | $3.89 \pm 0.20 \times 10^{-2}$ | -- |
| Pu-238 | fCi/g | 2.0 | --- | $0.35 \pm 0.06$ | 0.2 (1) | $4.5 \pm 0.5$ | 3.5 (1) |
| | Bq/g | $6.7 \times 10^{-5}$ | --- | $1.3 \pm 0.2 \times 10^{-5}$ | --- | $1.66 \pm 0.18 \times 10^{-4}$ | --- |
| Pu-239 and Pu-240 | fCi/g | $38 \pm 3$ | 33 (1) | $13.7 \pm 0.8$ | 11.6 (1) | $217 \pm 16$ | 202 (1) |
| | Bq/g | $1.4 \pm 0.1 \times 10^{-3}$ | --- | $5.08 \pm 0.29 \times 10^{-4}$ | --- | $8.03 \pm 0.60 \times 10^{-3}$ | --- |
| Pu-239 | A% | --- | --- | 89.91 | --- | 94.57 | --- |
| Pu-240 | A% | --- | --- | 9.43 | --- | 5.23 | --- |
| Pu-241 | A% | --- | --- | 0.318 | --- | 0.178 | --- |
| Pu-242 | A% | --- | --- | 0.336 | -- | 0.023 | --- |
| Am-241 | fCi/g | 8.4 | --- | $4.0 \pm 0.8$ | 5 (1) | $33.8 \pm 2.5$ | 42 (1) |
| | Bq/g | $3.15 \times 10^{-4}$ | --- | $1.5 \pm 0.3 \times 10^{-4}$ | --- | $1.25 \pm 0.09 \times 10^{-3}$ | --- |
| I | ppm | --- | 5.4 (1) | --- | --- | --- | --- |
| I-129 | fCi/g | --- | 0.032 (1) | --- | --- | --- | --- |

TABLE 21

ELEMENTAL CONCENTRATIONS IN VARIOUS NBS STANDARD REFERENCE MATERIALS

| | | 1A | | 1B | | 1C | 70 | | 70A | | 76 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Element | Units | NBS (1931) | Literature $\bar{x} \pm s$ (n) | NBS (1966) | Literature $\bar{x} \pm s$ (n) | NBS (1978) | NBS (1926) | Literature $\bar{x} \pm s$ (n) | NBS (1981) | Literature $\bar{x} \pm s$ (n) | NBS (1927) | Literature $\bar{x} \pm s$ (n) |
| Al | % | 2.20 | 2.25 ± 0.10 (5) | 0.592 | 0.57 (2) | 0.69 ± 0.02 | 9.54 | --- | 9.47 | --- | 19.93 | 20.0 (1) |
| B | ppm | --- | 90 (2) | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Ba | ppm | --- | --- | --- | 86 (1) | --- | 300 | 380 (1) | 180 | 121 (2) | --- | --- |
| Be | ppb | --- | --- | --- | 420 (1) | --- | --- | --- | --- | --- | --- | --- |
| C | % | 9.76 | 9.73 (1) | 11.0 | --- | --- | --- | --- | --- | 0.005 (1) | --- | --- |
| Ca | % | 29.54 | 29.4 ± 0.5 (4) | 36.4 | 36.4 (2) | 36.0 ± 0.2 | 0.05 | --- | 0.079 | 0.064 (1) | 0.19 | 0.16 (1) |
| Cd | ppb | --- | --- | --- | 52 (1) | --- | --- | --- | --- | 8.7 (1) | --- | --- |
| Co | ppm | --- | 3.9 (1) | --- | 4.1 (1) | --- | --- | 0.1 (1) | --- | 0.2 (1) | --- | --- |
| Cr | ppm | --- | 26 (2) | --- | 15.7 (1) | --- | --- | --- | --- | --- | --- | --- |
| Cs | ppm | --- | --- | --- | --- | --- | --- | 6.6 (1) | --- | 9.6 (2) | --- | --- |
| Cu | ppm | --- | 3 (1) | --- | 5.5 (1) | --- | --- | --- | --- | --- | --- | --- |
| Eu | ppm | --- | --- | -- | 1.7 (1) | --- | --- | 0.4 (1) | --- | 0.57 (1) | --- | --- |
| Fe | % | 1.14 | 1.07 ± 0.11 (6) | 0.52 | 0.52 (2) | 0.38 ± 0.02 | 0.02 | 0.03 (1) | 0.052 | 0.054 (2) | 1.66 | 1.53 (2) |
| Ga | ppm | --- | 4 (1) | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Hg | ppb | --- | 58 (2) | --- | 15.7 (1) | --- | --- | 98 (1) | --- | 15 (1) | --- | --- |
| K | % | 0.59 | 0.69 (1) | 0.21 | 0.20 (1) | 0.23 ± 0.01 | 10.44 | --- | 9.79 | 9.74 ± 0.05 (3) | 1.28 | 1.29 (1) |
| La | ppm | --- | 100 (1) | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Li | ppm | --- | --- | --- | --- | --- | --- | --- | --- | --- | 510 | --- |
| Lu | ppb | --- | --- | --- | --- | --- | --- | --- | --- | 8 (1) | --- | --- |
| Mg | % | 1.32 | 1.34 ± 0.05 (4) | 0.22 | 0.22 (2) | 0.25 ± 0.03 | 0.008 | --- | --- | --- | 0.35 | 0.28 (1) |
| Mn | ppm | 290 | 440 ± 104 (3) | 1500 | 1470 (2) | 190 ± 40 | 8 | --- | --- | --- | --- | 230 (1) |
| Na | % | 0.29 | 0.25 (2) | 0.03 | 0.026 (1) | 0.015 ± 0.007 | 1.77 | --- | 1.89 | 1.86 ± 0.05 (3) | 0.11 | --- |
| Ni | ppm | --- | 10 (1) | --- | 11 (1) | --- | --- | --- | --- | --- | --- | -- |
| P | ppm | 650 | 1075 (2) | 350 | 370 (1) | 174 ± 44 | 50 | --- | --- | --- | 300 | --- |
| Pb | ppm | --- | 19 ± 2 (3) | --- | 9.5 (2) | --- | --- | --- | --- | --- | --- | --- |
| Rb | ppm | --- | --- | --- | --- | --- | --- | 470 (1) | 550 | 528 ± 7 (7) | --- | --- |
| S | ppm | 2600 | 2880 ± 140 (7) | --- | 100 (1) | --- | --- | --- | --- | 3 (1) | --- | --- |
| Sc | ppm | --- | 15 (1) | --- | --- | --- | --- | 0.04 (1) | --- | 0.11 (1) | --- | --- |
| Se | ppm | --- | --- | --- | --- | --- | --- | --- | --- | 66 (1) | --- | --- |
| Si | % | 6.59 | 6.60 ± 0.08 (5) | 2.30 | 2.3 (2) | 3.19 ± 0.04 | 31.13 | --- | 31.3 | --- | 25.54 | 25.8 (1) |
| Sn | ppm | --- | 1.68 (1) | --- | --- | --- | --- | --- | --- | 0.75 (1) | --- | --- |
| Sr | ppm | 1940 | 1910 ± 140 (4) | 1200 | 1200 (2) | 250 | --- | --- | --- | 65 ± 1 (4) | --- | 85 (1) |
| Ta | ppb | --- | --- | --- | --- | --- | --- | --- | --- | 150 (1) | --- | --- |
| Th | ppb | --- | --- | --- | --- | --- | --- | --- | --- | 300 (1) | --- | --- |
| Ti | ppm | 960 | 1050 ± 250 (5) | 280 | 296 (2) | 420 ± 60 | 10 | --- | 60 | --- | 13200 | 13400 (1) |
| Tl | ppm | --- | --- | --- | --- | --- | --- | --- | --- | 2.8 (2) | --- | --- |
| V | ppm | --- | 30 (1) | --- | 30 (1) | --- | --- | --- | --- | --- | 120 | --- |
| Y | ppm | --- | 10 (1) | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Yb | ppm | --- | --- | --- | 2.1 (1) | --- | --- | --- | --- | --- | --- | --- |
| Zn | ppm | --- | 20 (2) | --- | 41 (1) | --- | --- | 6.9 ± 0.8 (3) | --- | --- | --- | --- |
| Zr | ppm | --- | 60 (1) | --- | 16 (1) | --- | --- | --- | --- | --- | 520 | --- |

TABLE 22

ELEMENTAL CONCENTRATIONS IN VARIOUS NBS STANDARD REFERENCE MATERIALS

| | | 77 | | 88 | | 88A | | 91 | |
|---|---|---|---|---|---|---|---|---|---|
| Element | Units | NBS (1927) | Literature $\bar{x} \pm s$ (n) | NBS (1928) | Literature $\bar{x} \pm s$ (n) | NBS (1982) | Literature $\bar{x} \pm s$ (n) | NBS (1931) | Literature $\bar{x} \pm s$ (n) |
| Al | % | 31.42 | 31.0 (2) | 0.035 | --- | 0.10 | 0.06 (2) | 3.18 | 3.2 (1) |
| B | ppm | --- | --- | --- | --- | --- | --- | --- | 302 (1) |
| Ba | ppm | --- | --- | --- | --- | --- | 13 (1) | --- | 79 (1) |
| Be | ppb | --- | --- | --- | --- | --- | 180 (1) | --- | --- |
| C | % | --- | --- | 12.90 | --- | 12.7 | 12.8 (1) | --- | --- |
| Ca | % | 0.19 | 0.14 (1) | 21.80 | 21.8 (1) | 21.56 | 21.7 (2) | 7.49 | 7.54 (1) |
| Cl | ppm | --- | --- | --- | --- | --- | --- | 140 | --- |
| Co | ppm | --- | --- | --- | 0.7 (1) | --- | 3 (1) | --- | 4.5 (1) |
| Cr | ppm | --- | --- | --- | 3.9 (1) | --- | 11.7 (1) | --- | 26 (2) |
| Cu | ppm | --- | --- | --- | --- | --- | 2.5 (1) | --- | 16 (1) |
| Eu | ppm | --- | --- | --- | --- | --- | 1.2 (1) | --- | --- |
| F | % | --- | --- | --- | --- | --- | --- | 5.72 | 5.68 ± 0.06 (6) |
| Fe | % | 0.63 | 0.54 (2) | 0.059 | 0.058 (1) | 0.20 | 0.21 (2) | 0.057 | 0.25 ± 0.24 (4) |
| Ga | ppm | --- | --- | --- | --- | --- | --- | --- | 12 (1) |
| Gd | ppm | --- | --- | --- | --- | --- | 3.4 (1) | --- | --- |
| Hg | ppb | --- | --- | --- | --- | --- | 28 (1) | --- | --- |
| K | % | 1.75 | 1.79 (1) | 0.025 | --- | 0.10 | 0.085 (2) | 2.70 | 2.68 (1) |
| Li | ppm | 1600 | --- | --- | --- | --- | --- | --- | --- |
| Mg | % | 0.30 | 0.22 (1) | 12.95 | --- | 12.8 | 13.0 (2) | --- | 0.006 (1) |
| Mn | ppm | --- | 80 (1) | 44 | --- | 230 | 180 (2) | --- | 51 (2) |
| Na | % | 0.045 | --- | 0.06 | --- | 0.007 | 0.01 (1) | 6.29 | 6.28 (2) |
| Ni | ppm | --- | --- | --- | --- | --- | --- | --- | 3 (2) |
| O | % | --- | --- | --- | --- | --- | --- | --- | 49.0 (1) |
| P | ppm | 2000 | --- | 13 | --- | 40 | 145 (2) | 96 | --- |
| Pb | ppm | --- | --- | --- | --- | --- | 27 (1) | 900 | 600 (2) |
| S | ppm | --- | --- | 270 | 287 ± 15 (3) | --- | 12 (2) | --- | --- |
| Si | % | 15.12 | 15.32 (2) | 0.14 | --- | 0.56 | 0.41 (1) | 31.54 | 31.9 ± 0.4 (3) |
| Sr | ppm | --- | 1200 (1) | <80 | 58 (2) | 85 | 68 (2) | --- | 39 (1) |
| Ti | % | 1.76 | 1.82 (1) | 0.003 | 0.018 (2) | 0.012 | 0.012 (2) | 0.011 | 0.014 ± 0.002 (3) |
| U | ppb | --- | --- | --- | --- | --- | --- | --- | 540 (1) |
| V | ppm | 180 | --- | --- | --- | --- | 9 (1) | --- | 43 (1) |
| Yb | ppm | --- | --- | --- | --- | --- | 1.2 (1) | --- | --- |
| Zn | ppm | --- | --- | --- | --- | --- | 4.1 (1) | 640 | --- |
| Zr | ppm | 670 | --- | --- | --- | --- | --- | 70 | 47 (1) |

TABLE 23

ELEMENTAL CONCENTRATIONS IN NBS CLAY STANDARD REFERENCE MATERIALS

| | | 97 | | 97A | | 98 | | 98A | |
|---|---|---|---|---|---|---|---|---|---|
| Element | Units | NBS (1931) | Literature $\bar{x} \pm s$ (n) | NBS (1969) | Literature $\bar{x} \pm s$ (n) | NBS (1931) | Literature $\bar{x} \pm s$ (n) | NBS (1969) | Literature $\bar{x} \pm s$ (n) |
| Al | % | 20.51 | 20.5 (2) | 20.52 | --- | 11.93 | 13.53 ± 0.07 (5) | 17.56 | --- |
| B | ppm | --- | 64 (2) | --- | 69 (1) | --- | 140 ± 80 (4) | --- | 120 (1) |
| Ba | ppm | --- | 170 ± 80 (3) | 670 | 660 (1) | --- | 680 ± 120 (3) | 270 | 320 (2) |
| Be | ppm | --- | 1.3 (1) | --- | 3.6 (1) | --- | 4.1 (1) | --- | 5.9 (1) |
| C | ppm | --- | 3200 (1) | --- | 600 (1) | --- | 4000 (1) | --- | 8100 (1) |
| Ca | ppm | 720 | --- | 790 | --- | 1500 | 1530 ± 60 (3) | --- | --- |
| Ce | ppm | --- | 59 (2) | --- | 160 (2) | --- | 127 (2) | --- | 200 (2) |
| Co | ppm | --- | 3.7 ± 0.6 (3) | --- | 4.4 (2) | --- | 15.8 ± 1.4 (5) | --- | 13 (3) |
| Cr | ppm | 540 | 550 ± 60 (6) | 200 | 190 (2) | 140 | 150 ± 40 (9) | 200 | 220 (2) |
| Cs | ppm | --- | 2.4 (1) | --- | 1.6 (1) | --- | 11 (1) | --- | 6.2 (1) |
| Cu | ppm | 24 | 18 ± 5 (4) | --- | 25 (1) | 70 | 64 ± 24 (6) | --- | 120 (1) |
| Dy | ppm | --- | 4.3 (1) | --- | 8.9 (1) | --- | 7.1 (1) | --- | 18 (1) |
| Eu | ppm | --- | 1.4 (2) | --- | 3.7 (1) | --- | 1.9 (2) | --- | 3.4 (2) |
| Fe | % | 0.68 | 0.66 ± 0.01 (4) | 0.31 | 0.30 (1) | 1.43 | 1.32 ± 0.14 (6) | 0.94 | 0.88 (1) |
| Ga | ppm | --- | 45 (1) | --- | 32 (1) | --- | 52 (2) | --- | 23 (1) |
| Hf | ppm | --- | 40 (1) | --- | 13 (2) | --- | 7 (1) | --- | 7.3 (1) |
| Hg | ppb | --- | 114 (2) | --- | 388 (1) | --- | 460 (1) | --- | 39 (1) |
| K | % | 0.45 | --- | 0.41 | --- | 2.63 | --- | 0.863 | --- |
| La | ppm | --- | 34 (1) | --- | 70 (2) | --- | 94 ± 49 (3) | --- | 130 (2) |
| Li | ppm | 1070 | 1074 (1) | 510 | 439 (1) | 140 | 144 (1) | 320 | 290 (1) |
| Lu | ppm | --- | 0.96 (1) | --- | 0.98 (1) | --- | 0.65 (1) | --- | 1.2 (1) |
| Mg | ppm | 1600 | 1450 (2) | 900 | --- | 4300 | 4300 ± 200 (5) | 2500 | --- |
| Mn | ppm | 15 | 50 ± 43 (3) | --- | 5.2 (1) | 40 | 69 ± 32 (6) | --- | 41 (1) |
| Mo | ppm | --- | 2 (1) | --- | --- | --- | 1.0 (1) | --- | --- |
| Na | ppm | 520 | --- | 270 | --- | 1900 | --- | 610 | --- |
| Nb | ppm | --- | 36 (1) | --- | 39 (1) | --- | --- | --- | 40 (1) |
| Nd | ppm | --- | 19 (1) | --- | 88 (1) | --- | 49 (1) | --- | 98 (1) |
| Ni | ppm | --- | 34 (2) | --- | 81 (1) | --- | 44 ± 8 (3) | --- | 160 (1) |
| P | ppm | 350 | --- | 1600 | --- | 350 | 370 (2) | 480 | --- |
| Pb | ppm | --- | 35 (2) | --- | 42 (1) | --- | 44 (2) | --- | 69 (1) |
| Rb | ppm | --- | 24 (1) | --- | --- | --- | 154 (1) | --- | 35 (1) |
| S | ppm | 170 | 176 ± 22 (3) | --- | 308 (1) | 280 | 273 ± 25 (3) | --- | 1300 (1) |
| Sb | ppm | --- | 1.4 (1) | --- | 0.8 (1) | --- | 1.3 (1) | --- | 2.3 (1) |
| Sc | ppm | --- | 16 (2) | --- | 26 (2) | --- | 25 ± 4 (3) | --- | 32 (2) |
| Se | ppm | --- | --- | --- | --- | --- | 1.2 ± 0.2 (3) | --- | --- |
| Si | % | 20.02 | 20.0 (1) | 20.39 | --- | 27.60 | 27.60 ± 0.01 (3) | 22.85 | --- |
| Sm | ppm | --- | 5.8 (1) | --- | 14 (2) | --- | 8.3 (2) | --- | 12 (2) |
| Sn | ppm | --- | 8.6 (2) | --- | 6.3 (2) | --- | 6.5 (1) | --- | 5.0 (2) |
| Sr | ppm | --- | 73 ± 38 (3) | 1500 | 860 (1) | --- | 290 ± 70 (5) | 330 | 440 (1) |
| Ta | ppm | --- | 4.2 (1) | --- | 3.2 (1) | --- | 2.2 (1) | --- | 2.5 (1) |
| Tb | ppm | --- | 1.27 (1) | --- | 2.8 (1) | --- | 1.4 (1) | --- | 2.9 (1) |
| Th | ppm | --- | 37 (1) | --- | 31 (1) | --- | 20 (1) | --- | 24 (1) |
| Ti | % | 1.43 | 1.36 (2) | 1.14 | --- | 0.88 | 0.90 ± 0.06 (6) | 0.964 | --- |
| Tl | ppb | --- | --- | --- | --- | --- | --- | --- | 350 (1) |
| U | ppm | --- | --- | --- | 6.6 (1) | --- | --- | --- | --- |
| V | ppm | 220 | 240 ± 90 (4) | --- | 360 (1) | 140 | 180 ± 80 (8) | --- | 550 (1) |
| Y | ppm | --- | 35 (2) | --- | 120 (1) | --- | 38 ± 9 (3) | --- | 180 (1) |
| Yb | ppm | --- | 7.1 (2) | --- | 8.9 (2) | --- | 11 ± 9 (3) | --- | 9.8 (2) |
| Zn | ppm | --- | 92 (2) | --- | --- | --- | 125 (1) | --- | --- |
| Zr | ppm | 1800 | 1390 (1) | --- | 520 (2) | 300 | 320 ± 40 (5) | --- | 740 (1) |

TABLE 24

ELEMENTAL CONCENTRATIONS IN NBS FEDLSPAR AND PHOSPHATE ROCK STANDARD REFERENCE MATERIALS

| | | 99 | | 99A | | 120A | | 120B | |
|---|---|---|---|---|---|---|---|---|---|
| Element | Units | NBS (1931) | Literature $\bar{x} \pm s$ (n) | NBS (1981) | Literature $\bar{x} \pm s$ (n) | NBS (1961) | Literature $\bar{x} \pm s$ (n) | NBS (1979) | Literature $\bar{x} \pm s$ (n) |
| Ag | ppm | --- | --- | --- | --- | --- | --- | --- | 5 (1) |
| Al | % | 10.08 | 10.1 (1) | 10.8 | --- | 0.50 | 0.45 (1) | --- | 0.60 ± 0.10 (5) |
| B | ppm | --- | 10 (1) | --- | --- | --- | --- | --- | --- |
| Ba | ppm | 90 | --- | 2300 | 2600 (1) | --- | --- | --- | 61 (1) |
| Be | ppm | --- | --- | --- | --- | --- | --- | --- | 2.9 (1) |
| C | % | --- | --- | --- | 0.03 (1) | 0.87 | 1.04 (1) | 0.76 | 1.4 (2) |
| Ca | % | 0.26 | --- | 1.53 | 1.51 (1) | 36.0 | 36.1 (2) | 35.7 | 33.7 ± 0.9 (5) |
| Cd | ppm | --- | --- | --- | --- | --- | --- | 18 | 24 (2) |
| Ce | ppm | --- | 8 (1) | --- | 5 (1) | --- | --- | --- | 182 (1) |
| Co | ppm | --- | 0.74 (2) | --- | 0.1 (1) | --- | --- | --- | 3 (1) |
| Cr | ppm | --- | 7 ± 5 (3) | --- | --- | --- | --- | --- | 63 (1) |
| Cs | ppm | --- | 0.7 (1) | --- | 5 (2) | --- | --- | --- | --- |
| Cu | ppm | --- | 21 (2) | --- | --- | --- | --- | --- | 10 (2) |
| Eu | ppm | --- | 0.35 (1) | --- | 0.82 (1) | --- | --- | --- | 4.8 (1) |
| F | % | --- | --- | --- | --- | 3.92 | 3.88 ± 0.09 (5) | 3.84 | 3.88 ± 0.11 (4) |
| Fe | ppm | 470 | 500 (1) | 450 | 480 (2) | 6990 | 7340 (1) | --- | 7500 ± 500 (7) |
| Ga | ppm | --- | 30 (1) | --- | --- | --- | --- | --- | --- |
| Gd | ppm | --- | --- | --- | --- | --- | --- | --- | 21 (1) |
| Hf | ppm | --- | 0.9 (1) | --- | 0.3 (1) | --- | --- | --- | --- |
| Hg | ppb | --- | --- | --- | 165 (1) | --- | 58 (1) | --- | --- |
| K | % | 0.34 | --- | 4.3 | 4.27 ± 0.12 (3) | 0.083 | --- | 0.087 | 0.070 ± 0.09 (4) |
| La | ppm | --- | --- | --- | 22 (1) | --- | --- | --- | 89 (1) |
| Mg | ppm | 320 | --- | 120 | 130 (1) | 1600 | 1400 (1) | 1700 | 2000 ± 600 (4) |
| Mn | ppm | <70 | 30 (2) | --- | --- | 150 | 160 (1) | 250 | 210 ± 50 (6) |
| Na | % | 7.96 | --- | 4.6 | 4.55 ± 0.09 (3) | 0.30 | --- | 0.26 | 0.26 ± 0.03 (4) |
| Nd | ppm | --- | --- | --- | --- | --- | --- | --- | 127 (1) |
| Ni | ppm | --- | 15 (1) | --- | --- | --- | --- | --- | 17 ± 6 (3) |
| O | % | --- | --- | --- | --- | --- | --- | --- | 36.0 (1) |
| P | % | 0.062 | 0.057 (1) | 0.009 | --- | 15.0 | --- | 15.1 | 14.9 ± 0.9 (5) |
| Pb | ppm | --- | 110 (2) | --- | --- | --- | --- | --- | 30 (2) |
| Rb | ppm | --- | 23 (1) | --- | 104 (2) | --- | --- | --- | --- |
| S | ppm | --- | --- | --- | 19 (1) | --- | 2900 (1) | --- | 2200 (1) |
| Sb | ppm | --- | 0.5 (1) | --- | --- | --- | --- | --- | 10 (1) |
| Sc | ppm | --- | 0.83 (1) | --- | 0.23 (1) | --- | --- | --- | --- |
| Si | % | 32.06 | 32.0 (2) | 30.4 | 30.4 (1) | --- | --- | 2.18 | 2.18 ± 0.13 (6) |
| Sm | ppm | --- | --- | --- | 0.5 (1) | --- | --- | --- | 38 (1) |
| Sn | ppb | --- | --- | --- | 450 (1) | --- | --- | --- | --- |
| Sr | ppm | --- | 220 ± 160 (3) | --- | --- | --- | --- | --- | 700 (1) |
| Ta | ppm | --- | 1.9 (1) | --- | --- | --- | --- | --- | --- |
| Tb | ppb | --- | 280 (1) | --- | --- | --- | --- | --- | --- |
| Th | ppm | --- | 1.6 (1) | --- | 0.5 (1) | --- | --- | --- | 8.5 (2) |
| Ti | ppm | 100 | 240 ± 220 (4) | 40 | --- | 720 | 720 (1) | 900 | 850 ± 230 (5) |
| U | ppm | --- | 1.1 (1) | --- | --- | --- | 110 (1) | 128.4 ± 0.5 | 131 (2) |
| V | ppm | --- | --- | --- | --- | --- | --- | --- | 170 ± 100 (3) |
| Y | ppm | --- | 10 (1) | --- | --- | --- | --- | --- | --- |
| Yb | ppm | --- | 1 (1) | --- | --- | --- | --- | --- | 13 (1) |
| Zn | ppm | | 16 ± 2 (3) | --- | --- | --- | --- | --- | 120 (2) |
| Zr | ppm | --- | 26 (2) | --- | 70 (1) | --- | --- | --- | 12 (1) |

TABLE 25: ANALYTICAL METHODS CODE

| CODE | SPECIFIC TECHNIQUES |
|---|---|
| **Neutron Activation:** | |
| NAA | General, Unspecified or Mixed Conditions |
| ITNA | Instrumental Thermal |
| IENA | Instrumental Epithermal |
| RTNA | Radiochemical Thermal |
| RENA | Radiochemical Epithermal |
| 14NAA | 14 MeV |
| TCGS | Thermal Neutron Capture Gamma Spectrometry |
| DNA | Delayed Neutron Assay |
| **Atomic Absorption - Emission:** | |
| AA | General, Flame AA, Unspecified or Mixed Conditions |
| FAA | Flameless AA |
| HAA | Hydride Evolution AA |
| CVAA | Cold Vapor AA |
| FE | Flame Emission - Flame Photometry - Atomic Emission |
| FAE | Flameless Atomic Emission |
| AF | Atomic Fluorescence |
| AE + AF | Atomic Emission + Atomic Fluorescence |
| **X-ray Methods:** | |
| XRF | General or Unspecified |
| EXRF | Energy Dispersive XRF |
| WXRF | Wavelength Dispersive XRF |
| CPXRF | Charged Particle Induced XRF |
| **Optical Emission:** | |
| OES | General, DC ARC |
| MPOES | Microwave Plasma OES |
| ICPES | Inductively Coupled Plasma OES |
| DCP | Direct Coupled Plasma OES |
| **Gas Chromatography - Mass Spectrometry:** | |
| GC | Gas Chromatography |
| IDMS | Isotope Dilution Mass Spectrometry |
| SSMS | Spark Source Mass Spectrometry |
| GC-MS | Gas Chromatography-Mass Spectrometry |
| GCMES | Gas Chromatography Microwave Emission |
| MS | Mass Spectrometry without Isotope Dilution |
| GC-AA | Gas Chromatography-Atomic Absorption Spectrometry |

TABLE 25 (cont.)

Others:

| | |
|---|---|
| AS | Alpha Spectrometry |
| ASV | Anodic Stripping Voltammetry |
| CB | Combustion, Elemental Analyzer |
| CHEM | Chemical |
| CHEML | Chemiluminescence, Candoluminescence |
| COLOR | Colorimetry, Photometry, Spectrophotometry |
| CPAA | Charged Particle Activation Analysis |
| CSV | Cathodic Stripping Voltammetry |
| ESCA | Electron Spectroscopy for Chemical Applications |
| FD | Freeze Drying |
| FLUOR | Fluorometry |
| GAMMA | Direct Gamma-Ray Counting |
| GRAV | Gravimetry |
| IC | Ion Chromatography |
| ISE | Ion Selective Electrodes |
| MECA | Molecular Emission Cavity Analysis |
| NM | Nuclear Method (General) |
| NT | Nuclear Track |
| PAA | Photon Activation Analysis, X-ray Activation Analysis |
| POL | Polarography |
| POT | Potentiometry |
| RR | Rapid Rock |
| SIMS | Secondary Ion Mass Spectrometry |
| TITR | Titrimetry |
| TURB | Turbidimetry |
| UU | Unspecified |
| VOLT | Voltammetry |
| VV | Various |

TABLE 26: "WHOLE ROCK" CONCENTRATION SUMMATIONS OF MAJOR AND MINOR ELEMENTS IN COAL AND FLY ASH SRMS

| ELEMENT (%) | SRM | | | | |
|---|---|---|---|---|---|
| | 1632 | 1632A | 1633 | 1633A | 1635 |
| Al | 1.73 | 2.95 | 12.60 | 14.40 | 0.31 |
| Ba | 0.03 | 0.01 | 0.26 | 0.14 | -- |
| C | 70.40 | 66.00 | 3.30 | -- | 62.60 |
| Ca | 0.42 | 0.24 | 4.60 | 1.12 | 0.55 |
| Cl | 0.09 | 0.08 | -- | -- | -- |
| Fe | 0.86 | 1.12 | 6.14 | 9.45 | 0.23 |
| H | 4.20 | 3.85 | 0.11 | 0.04 | 4.07 |
| K | 0.28 | 0.41 | 1.69 | 1.89 | 0.01 |
| Mg | 0.16 | 0.12 | 1.60 | 0.43 | 0.10 |
| N | 1.27 | 1.23 | -- | -- | 1.26 |
| Na | 0.04 | 0.08 | 0.31 | 0.18 | 0.24 |
| O | 15.05 | 18.80 | 47.02 | 47.66 | 29.60 |
| P | 0.02 | 0.03 | 0.10 | 0.18 | -- |
| S | 1.19 | 1.58 | 0.40 | 0.27 | 0.32 |
| Si | 3.17 | 6.01 | 22.10 | 23.50 | 0.54 |
| Sr | 0.01 | -- | 0.14 | 0.08 | 0.01 |
| Ti | 0.09 | 0.16 | 0.73 | 0.81 | 0.02 |
| Total | 99.01 | 102.67 | 101.10 | 100.15 | 99.86 |

TABLE 27: ELEMENTAL DATA REPORTED BY YEAR

| DATE | NO. REPORTED MEASUREMENTS |
|---|---|
| pre 1972 | 245 |
| 1972 | 127 |
| 1973 | 349 |
| 1974 | 669 |
| 1975 | 995 |
| 1976 | 905 |
| 1977 | 1603 |
| 1978 | 1192 |
| 1979 | 1393 |
| 1980 | 1581 |
| 1981 | 1424 |
| 1982 | 1761 |

TABLE 28

Distribution of SRM data by Analytical Technique

| Analytical Method | Geological SRMs | Biological SRMs |
|---|---|---|
| Neutron Activation | 3104 | 2566 |
| Atomic Absorption | 428 | 1034 |
| X-ray Fluorescence | 458 | 507 |
| Optical Emission | 453 | 1323 |
| Mass Spectrometry | 99 | 89 |
| Colorimetry, Spectrophotometry | 14 | 55 |
| Photon Activation | 332 | 104 |
| Other | 217 | 357 |
| TOTAL | 5105 | 6088 |

TABLE 29: COMMENT CODES FOR APPENDIX TABLES

| CODE | DEFINITION |
|---|---|
| D | Same data apparently reported in two or more references |
| H | Hydride generation |
| L | Limit |
| R | Range |
| * | Not used in mean value calculation |
| 1 | Different nebulizers used for independent results |
| 2 | V2O5 catalyst used in dissolution |
| 3 | Different electrodes used for independent results |
| 4 | Aqueous slurry of reground sample |
| 5 | Different radioactive isotopes used for independent results |
| 6 | Different methods of standardization used for independent results |
| 7 | Different chemical separation methods used for independent results |
| 8 | Isotope dilution methods combined with spark source mass spectrometry |
| 9 | Gamma-gamma coincidence |
| 10 | Different neutron filters used for independent results by epithermal neutron activation |
| 11 | Different dissolution or matrix destruction methods used for independent results |
| 12 | Different methods of peak integration or dead time correction used for independent results by neutron activation |
| 13 | Different detectors used for independent results |
| 14 | Different furnace configuration used for independent results |
| 15 | Different laboratories prepared fused beads used for independent results |
| 16 | Different matrix correction methods used for independent results |
| 17 | Different laboratories reporting independent results in the same reference |
| 18 | Different bottles of reference material |
| 19 | Duplicate entries from same reference from previous data compilation source - reason unknown |
| 20 | Different emission-absorption lines used for independent results |
| 21 | Dichromate used for FeO determination |
| 22 | Vanadate used for FeO determination |
| 23 | Modified Penfield method used for H2O+ determination |
| 24 | Different irradiation containers used for independent results by neutron activation |
| 25 | Different colorimetric methods used in same reference for independent results |
| 31 | Different chemical methods used for independent results |
| 32 | Different background correction and/or X-ray tubes and/or crystals used for independent results by XRF |
| 33 | Different pellet sizes used for independent results by XRF |
| 34 | Analyzed on dry sample basis |
| 35 | Analyzed on as-received basis |
| 36 | OES pre-ignition at various temperatures for independent results |

TABLE 30: MULTIPLIERS USED FOR OXIDE TO ELEMENT CONVERSIONS

| OXIDE | MULTIPLIER | OXIDE | MULTIPLIER |
|---|---|---|---|
| $Al_2O_3$ | 0.529 | MnO | 0.774 |
| $B_2O_3$ | 0.311 | $Mn_2O_3$ | 0.696 |
| BaO | 0.896 | $Mn_3O_4$ | 0.720 |
| BeO | 0.360 | $MoO_3$ | 0.667 |
| $CO_2$ | 0.273 | $Na_2O$ | 0.742 |
| CaO | 0.715 | $Nd_2O_3$ | 0.857 |
| CdO | 0.875 | NiO | 0.786 |
| CoO | 0.786 | $P_2O_5$ | 0.436 |
| $Cr_2O_3$ | 0.684 | PbO | 0.928 |
| $Cs_2O$ | 0.943 | $Rb_2O$ | 0.914 |
| CuO | 0.799 | $SiO_2$ | 0.467 |
| FeO→$Fe_2O_3$ | 1.112 | $SO_3$ | 0.400 |
| FeO | 0.777 | $Sc_2O_3$ | 0.652 |
| $Fe_2O_3$ | 0.699 | SrO | 0.846 |
| $Ga_2O_3$ | 0.592 | $TiO_2$ | 0.599 |
| $H_2O$ | 0.112 | $U_3O_8$ | 0.848 |
| $K_2O$ | 0.830 | $V_2O_5$ | 0.560 |
| $La_2O_3$ | 0.853 | $Y_2O_3$ | 0.787 |
| $Li_2O$ | 0.465 | ZnO | 0.803 |
| MgO | 0.603 | $ZrO_2$ | 0.740 |

FIGURE 1
SUMMARY OF ELEMENTAL MEASUREMENTS REPORTED IN
NBS BIOLOGICAL SRM's 1566-1577A

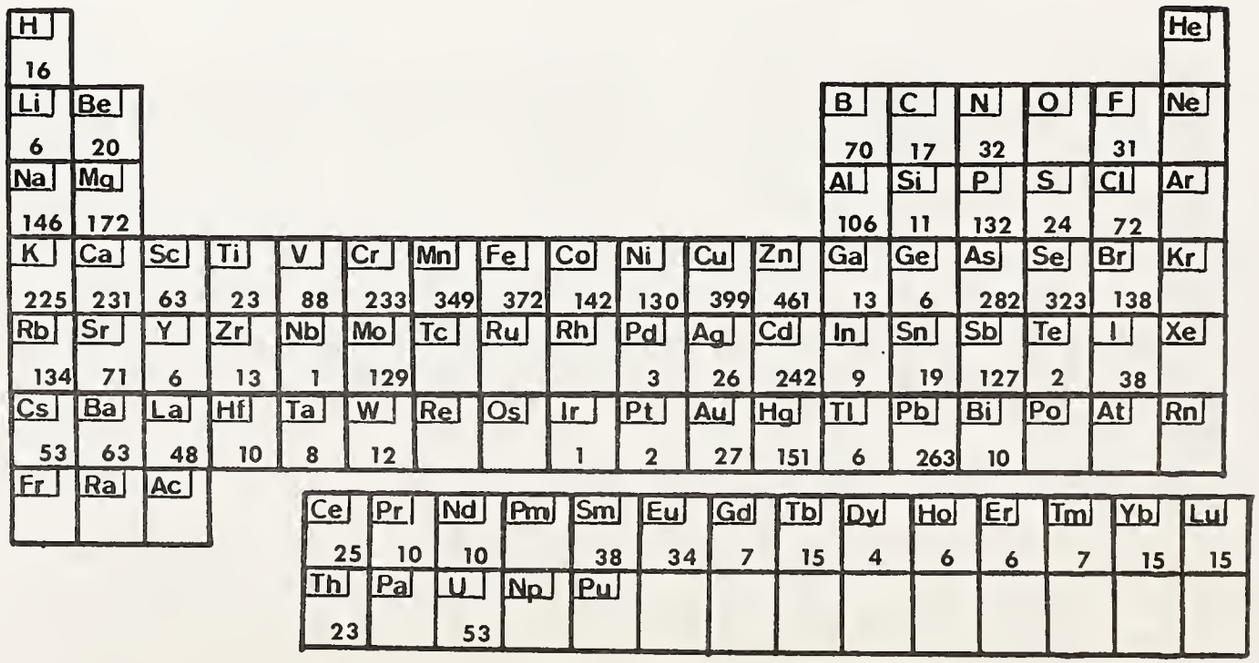

FIGURE 2
SUMMARY OF ELEMENTAL MEASUREMENTS REPORTED IN
NBS GEOLOGICAL SRM's 278, 610-688
and 1630-1646

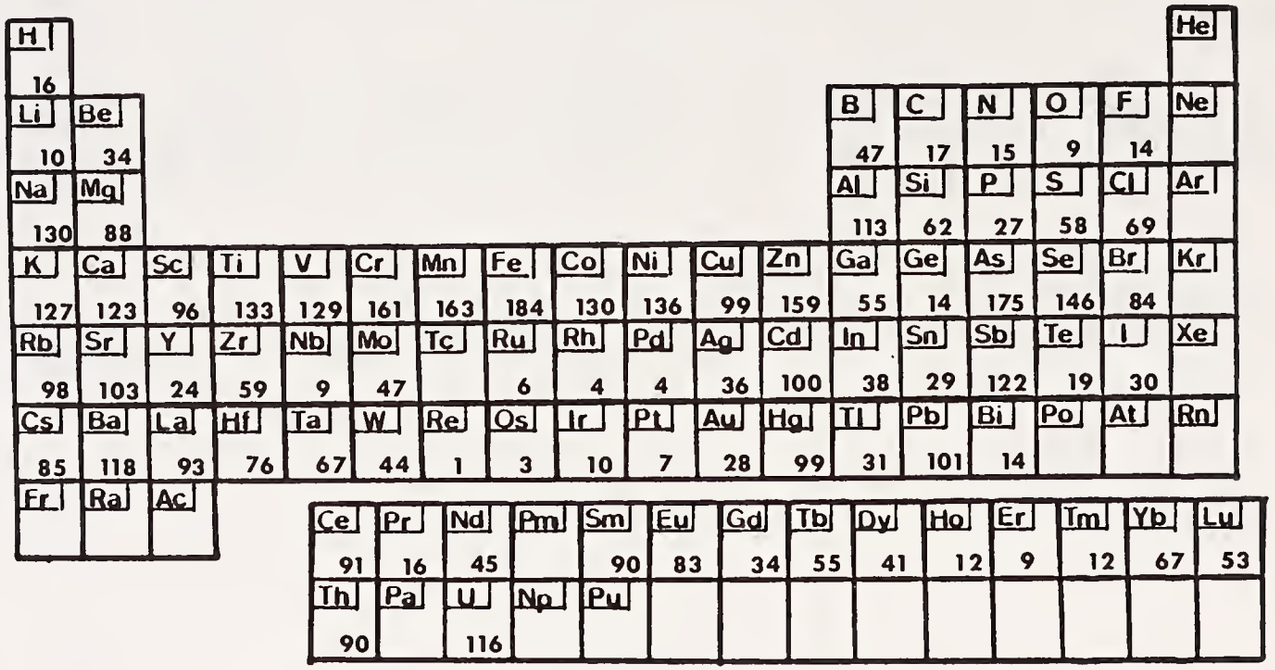

TABLE A

NBS SRM 120A—COLLECTED DATA

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Al (ppm) | | | | | |
| 4500. | | | ICPES | 80BRE | 01 |
| C (%) | | | | | |
| 1 04 | | | CB | 78TER | 01 |
| Ca (%) | | | | | |
| 36.02 | | | TITR | 80HIT | 02 |
| 36.1 | | | ICPES | 80BRE | 01 |
| F (%) | | | | | |
| 3.8 | | 11 | ISE | 69EDM | 01 |
| 3 8 | 0 1 | | ISE | 77HOP | 01 |
| 3 88 | | 11 | ISE | 69EDM | 01 |
| 3.93 | | 11 | ISE | 71PET | 01 |
| 4.01 | | 11 | ISE | 71PET | 01 |
| Fe (ppm) | | | | | |
| 7340 | | | ICPES | 80BRE | 01 |
| Hg (ppb) | | | | | |
| 57.5 | 3.6 | | FAA | 82FLA | 01 |
| Mg (ppm) | | | | | |
| 1400. | | | ICPES | 80BRE | 01 |
| Mn (ppm) | | | | | |
| 160 | | | ICPES | 80BRE | 01 |
| S (ppm) | | | | | |
| 2900. | | | CB | 78TER | 01 |
| Ti (ppm) | | | | | |
| 720. | | | ICPES | 80BRE | 01 |
| U (ppm) | | | | | |
| 110. | 10 | | COLOR | 81OGU | 01 |

TABLE B

NBS SRM 120B—COLLECTED DATA

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Ag (ppm) | | | | | |
| 5 | | | ICPES | 81CHU | 01 |
| Al (ppm) | | | | | |
| 5100. | 100. | | AA | 82JEN | 01 |
| 5400. | 500. | | ICPES | 82JEN | 01 |
| 5870. | 20. | | ICPES | 81CHU | 01 |
| 6000. | | 35 | TCGS | 78GLA | 04 |
| 7780. | | | EXRF | 80DAL | 01 |
| 8500. | | * | SIMS | 78MOR | 01 |
| As (ppm) | | | | | |
| | 5. | L* | ICPES | 81CHU | 01 |
| Au (ppm) | | | | | |
| | 3. | L* | ICPES | 81CHU | 01 |
| Ba (ppm) | | | | | |
| 61 | 1.2 | | ICPES | 81CHU | 01 |
| Be (ppm) | | | | | |
| 2.9 | 0.06 | | ICPES | 81CHU | 01 |
| Bi (ppm) | | | | | |
| | 25. | L* | ICPES | 81CHU | 01 |
| C (%) | | | | | |
| 0.983 | | | CB | 77TIL | 01 |
| 1.8 | | | SIMS | 78MOR | 01 |
| Ca (%) | | | | | |
| 17.8 | | * | SIMS | 78MOR | 01 |
| 32.7 | | 35 | TCGS | 78GLA | 04 |
| 33. | | | EXRF | 80DAL | 01 |
| 33.78 | 2.07 | | ICPES | 82JEN | 01 |
| 33.98 | 0.72 | | AA | 82JEN | 01 |
| 35.06 | 1.16 | | ICPES | 81CHU | 01 |
| Cd (ppm) | | | | | |
| 22. | 10. | | ICPES | 81CHU | 01 |
| 25.3 | | | AA | 76KRI | 03 |
| Ce (ppm) | | | | | |
| 182. | 3.6 | | ICPES | 81CHU | 01 |
| Co (ppm) | | | | | |
| 3. | 1 | | ICPES | 81CHU | 01 |
| Cr (ppm) | | | | | |
| 63.1 | 1.9 | | ICPES | 81CHU | 01 |

TABLE B (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Cu (ppm) | | | | | |
| 8.6 | 1 | | ICPES | 81CHU | 01 |
| 11.3 | | | AA | 76KRI | 03 |
| Eu (ppm) | | | | | |
| 4.8 | 1. | | ICPES | 81CHU | 01 |
| F (%) | | | | | |
| 3.78 | 0.07 | | NAA | 80NOR | 01 |
| 3.82 | | 35 | IENA | 79GLA | 03 |
| 3.89 | 0.21 | | IC | 82JEN | 01 |
| 4.04 | 0.47 | | ISE | 82JEN | 01 |
| Fe (ppm) | | | | | |
| 3200. | | * | SIMS | 78MOR | 01 |
| 6600. | 200. | | AA | 82JEN | 01 |
| 7200. | 800. | | ICPES | 82JEN | 01 |
| 7400. | | 35 | TCCS | 78CLA | 04 |
| 7700. | | 35 | IENA | 79CLA | 03 |
| 7827. | | | AA | 76KRI | 03 |
| 7900. | 200. | | ICPES | 81CHU | 01 |
| 7970. | | | EXRF | 80DAL | 01 |
| Cd (ppm) | | | | | |
| 21. | 0.6 | | ICPES | 81CHU | 01 |
| K (ppm) | | | | | |
| 110. | | *35 | TCCS | 78GLA | 04 |
| 600. | 200. | | ICPES | 82JEN | 01 |
| 660. | | | EXRF | 80DAL | 01 |
| 760. | | | SIMS | 78MOR | 01 |
| 800. | 100. | | AA | 82JEN | 01 |
| 1170. | 25. | * | ICPES | 81CHU | 01 |
| La (ppm) | | | | | |
| 89. | 4. | | ICPES | 81CHU | 01 |
| Li (ppm) | | | | | |
| | 2. | L* | ICPES | 81CHU | 01 |
| Mg (ppm) | | | | | |
| 51 | | *35 | TCCS | 78CLA | 04 |
| 1600. | 100. | | ICPES | 82JEN | 01 |
| 1600. | 100. | | AA | 82JEN | 01 |
| 1870. | 60. | | ICPES | 81CHU | 01 |
| 2800. | | | SIMS | 78MOR | 01 |
| Mn (ppm) | | | | | |
| 130. | | | SIMS | 78MOR | 01 |
| 150. | | | EXRF | 80DAL | 01 |
| 230. | 15. | | ICPES | 82JEN | 01 |

TABLE B (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 240. | 20. | | AA | 82JEN | 01 |
| 246. | | | AA | 76KRI | 03 |
| 260. | 7.8 | | ICPES | 81CHU | 01 |
| Mo (ppm) | | | | | |
| | 5. | L* | ICPES | 81CHU | 01 |
| Na (ppm) | | | | | |
| 2300. | 100. | | AA | 82JEN | 01 |
| 2630. | 70. | | ICPES | 81CHU | 01 |
| 2800. | | 35 | TCCS | 78CLA | 04 |
| 2900. | | | SIMS | 78MOR | 01 |
| Nd (ppm) | | | | | |
| 127. | 25. | | ICPES | 81CHU | 01 |
| Ni (ppm) | | | | | |
| 12. | | 35 | IENA | 79GLA | 03 |
| 15.4 | 1. | | ICPES | 81CHU | 01 |
| 22.9 | | | AA | 76KRI | 03 |
| O (%) | | | | | |
| 36. | 0.5 | | 14NAA | 80NOR | 01 |
| P (%) | | | | | |
| 12.97 | 0.79 | * | IC | 82JEN | 01 |
| 13.5 | | | SIMS | 78MOR | 01 |
| 14.7 | | 35 | TCCS | 78CLA | 04 |
| 15.19 | 1.23 | | ICPES | 82JEN | 01 |
| 15.21 | 0.38 | | ICPES | 81CHU | 01 |
| 15.9 | | | EXRF | 80DAL | 01 |
| Pb (ppm) | | | | | |
| 25. | 5. | | ICPES | 81CHU | 01 |
| 32.7 | | | AA | 76KRI | 03 |
| S (ppm) | | | | | |
| 2200. | | | EXRF | 80DAL | 01 |
| Sb (ppm) | | | | | |
| 10. | | | ICPES | 81CHU | 01 |
| Se (ppm) | | | | | |
| | 30. | L* | ICPES | 81CHU | 01 |
| Si (%) | | | | | |
| 2.01 | | | EXRF | 80DAL | 01 |
| 2.12 | | 35 | IENA | 79GLA | 03 |
| 2.12 | 0.19 | | ICPES | 82JEN | 01 |
| 2.19 | | 35 | TCGS | 78CLA | 04 |

TABLE B (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 2.21 | 0.01 | | AA | 82KIS | 01 |
| 2.41 | 0.24 | | AA | 82JEN | 01 |
| **Sm (ppm)** | | | | | |
| 38. | 1.9 | | ICPES | 81CHU | 01 |
| **Sn (ppm)** | | | | | |
| | 3. | L* | ICPES | 81CHU | 01 |
| **Sr (ppm)** | | | | | |
| 705. | 14. | | ICPES | 81CHU | 01 |
| **Th (ppm)** | | | | | |
| | 25. | L* | ICPES | 81CHU | 01 |
| 7.9 | 0.8 | | AS | 82ROE | 01 |
| 9.05 | 0.4 | | AS | 82THO | 02 |
| **Ti (ppm)** | | | | | |
| 590. | | | SIMS | 78MOR | 01 |
| 740. | 20. | | ICPES | 81CHU | 01 |
| 780. | | 35 | IENA | 79GLA | 03 |
| 950. | | 35 | TCGS | 78GLA | 04 |
| 1200. | | | EXRF | 80DAL | 01 |
| **U (ppm)** | | | | | |
| | 30. | L* | ICPES | 81CHU | 01 |
| 130. | 5. | | AS | 82ROE | 01 |
| 132. | 2. | | AS | 82THO | 02 |
| **V (ppm)** | | | | | |
| 103. | 3.1 | | ICPES | 81CHU | 01 |
| 120. | 10. | | ICPES | 82JEN | 01 |
| 280. | 40. | | AA | 82JEN | 01 |
| **Yb (ppm)** | | | | | |
| 12.7 | 0.4 | | ICPES | 81CHU | 01 |
| **Zn (ppm)** | | | | | |
| 107. | | | AA | 76KRI | 03 |
| 127. | 3.9 | | ICPES | 81CHU | 01 |
| **Zr (ppm)** | | | | | |
| 12. | 1.2 | | ICPES | 81CHU | 01 |

TABLE C

NBS SRM 1566—COLLECTED DATA

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| **As (ppm)** | | | | | |
| 12.2 | 1.1 | | IENA | 82GLA | 02 |
| 12.4 | | | IENA | 83GLA | 01 |
| 13. | 1.2 | | ITNA | 79KOB | 03 |
| 13.17 | 0.34 | | HAA | 81UTH | 01 |
| 15.5 | 0.3 | *11 | HAA | 82JON | 01 |
| **B (ppm)** | | | | | |
| 7. | 1. | | TCGS | 82GLA | 02 |
| **Br (ppm)** | | | | | |
| 45. | 1.4 | | ITNA | 79KOB | 03 |
| 180. | | | EXRF | 81PAR | 01 |
| **Ca (ppm)** | | | | | |
| 880. | 3370. | R* | AA | 80UCH | 01 |
| 1510. | 20. | 11 | ICPES | 82JON | 01 |
| 1530. | 30. | 11 | ICPES | 82JON | 01 |
| 4500. | | | EXRF | 81PAR | 01 |
| **Cd (ppm)** | | | | | |
| 3.2 | 0.1 | | FAA | 82SUZ | 01 |
| 3.24 | 0.29 | | ASV | 82SAT | 02 |
| 3.3 | 0.3 | | ASV | 82GAJ | 01 |
| 3.4 | 0.22 | | FAA | 81CHA | 01 |
| 3.54 | 0.04 | 11 | ICPES | 82JON | 01 |
| 3.61 | 0.03 | 11 | ICPES | 82JON | 01 |
| **Co (ppb)** | | | | | |
| 340. | 20. | | ITNA | 79KOB | 03 |
| **Cr (ppb)** | | | | | |
| 340. | 90. | 11 | ICPES | 82JON | 01 |
| 600. | 200. | 11 | ICPES | 82JON | 01 |
| 700. | 200. | | ITNA | 79KOB | 03 |
| **Cu (ppm)** | | | | | |
| 61. | | | XRF | 80SUZ | 02 |
| 61.8 | 0.9 | 11 | ICPES | 82JON | 01 |
| 62.9 | 0.5 | 11 | ICPES | 82JON | 01 |
| 63. | | | AA | 80UCH | 01 |
| 128. | 2. | * | AA | 81UCH | 01 |
| 189. | | * | EXRF | 81PAR | 01 |
| **Eu (ppb)** | | | | | |
| 20. | 10. | | ITNA | 79KOB | 03 |
| **F (ppm)** | | | | | |
| 4.9 | 0.5 | | ISE | 83KNA | 01 |
| 5.4 | 1.2 | | ISE | 83GLA | 01 |

TABLE C (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Fe (ppm) | | | | | |
| 178. | 4. | | ITNA | 79KOB | 03 |
| 191. | 5. | 11 | ICPES | 82JON | 01 |
| 194. | 9. | 11 | ICPES | 82JON | 01 |
| 196. | 6. | 11 | ICPES | 82JON | 01 |
| 203. | 8. | 11 | ICPES | 82JON | 01 |
| 209. | | | AA | 80UCH | 01 |
| 576. | | * | EXRF | 81PAR | 01 |
| Hg (ppb) | | | | | |
| 40. | | | CVAA | 83GLA | 01 |
| I (ppm) | | | | | |
| 2.337 | 0.074 | * | RTNA | 80GVA | 01 |
| 2.79 | | | NAA | 79HEC | 01 |
| 3.062 | 0.128 | 35 | RTNA | 81ALL | 01 |
| 3.209 | 0.134 | | RTNA | 81STR | 01 |
| 3.209 | 0.134 | 34 | RTNA | 81ALL | 01 |
| K (%) | | | | | |
| 0.87 | 0.03 | | ITNA | 79KOB | 03 |
| 0.977 | | | FE | 80UCH | 01 |
| 0.98 | 0.04 | 11 | ICPES | 82JON | 01 |
| 0.98 | 0.02 | 11 | ICPES | 82JON | 01 |
| 1.89 | | * | EXRF | 81PAR | 01 |
| Mg (ppm) | | | | | |
| 1280. | | | AA | 80UCH | 01 |
| 1410. | 20. | 11 | ICPES | 82JON | 01 |
| 1430. | 40. | 11 | ICPES | 82JON | 01 |
| Mn (ppm) | | | | | |
| 3. | | * | XRF | 80SUZ | 02 |
| 15. | 1.2 | | ITNA | 79KOB | 03 |
| 17.2 | 0.6 | | FAA | 81CHA | 01 |
| 17.2 | 0.2 | 11 | ICPES | 82JON | 01 |
| 17.4 | 0.6 | 11 | ICPES | 82JON | 01 |
| 17.8 | 0.9 | 11 | ICPES | 82JON | 01 |
| 19. | | | AA | 80UCH | 01 |
| 49. | | * | EXRF | 81PAR | 01 |
| Mo (ppb) | | | | | |
| | 70. | L* | ICPES | 82JON | 01 |
| 100. | 100. | 11 | ICPES | 82JON | 01 |
| Na (ppm) | | | | | |
| 4600. | 240. | | ITNA | 79KOB | 03 |
| 4920. | | | FE | 80UCH | 01 |
| Ni (ppm) | | | | | |
| 0.92 | 0.04 | 11 | ICPES | 82JON | 01 |
| 0.97 | 0.09 | 11 | ICPES | 82JON | 01 |

TABLE C (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| P (ppm) | | | | | |
| 7600. | 400. | 6 | FAA | 81LAN | 01 |
| 7800. | 200. | 11 | ICPES | 82JON | 01 |
| 7800. | 300. | 6 | FAA | 81LAN | 01 |
| 7900. | 100. | 11 | ICPES | 82JON | 01 |
| Pb (ppb) | | | | | |
| 440. | 40. | | FAA | 82RAI | 01 |
| 450. | | 6 | FAA | 81HIN | 01 |
| 450. | | 6 | FAA | 82KOI | 01 |
| 470. | 10. | | FAA | 81CHA | 01 |
| 480. | | 6 | FAA | 82KOI | 01 |
| 480. | | 6 | FAA | 81HIN | 01 |
| 500. | 20. | | ASV | 82GAJ | 01 |
| 500. | 200. | 11 | ICPES | 82JON | 01 |
| 500. | 300. | 11 | ICPES | 82JON | 01 |
| 510. | 60. | | ASV | 82SAT | 02 |
| Rb (ppm) | | | | | |
| 20. | | | EXRF | 81PAR | 01 |
| Sb (ppb) | | | | | |
| 150. | 40. | | ITNA | 79KOB | 03 |
| Sc (ppb) | | | | | |
| 89. | 6. | | ITNA | 79KOB | 03 |
| Se (ppm) | | | | | |
| 1.8 | 0.2 | | HAA | 82MAY | 01 |
| 2.22 | 0.03 | 11 | HAA | 82JON | 01 |
| 2.42 | 0.08 | 11 | HAA | 82JON | 01 |
| Sr (ppm) | | | | | |
| 9.9 | 1.1 | | FAA | 82SUZ | 03 |
| 92. | | | EXRF | 81PAR | 01 |
| U (ppb) | | | | | |
| 126. | | | DNA | 83GLA | 01 |
| V (ppm) | | | | | |
| 2.44 | 0.06 | 11 | ICPES | 82JON | 01 |
| Zn (ppm) | | | | | |
| 750. | | * | XRF | 80SUZ | 02 |
| 843. | 12. | 11 | ICPES | 82JON | 01 |
| 859. | 9. | 11 | ICPES | 82JON | 01 |
| 860. | | | AA | 80UCH | 01 |
| 869. | 8. | 11 | ICPES | 82JON | 01 |
| 870. | 35. | | ITNA | 79KOB | 03 |
| 878. | 15. | 11 | ICPES | 82JON | 01 |
| 2953. | | * | EXRF | 81PAR | 01 |

TABLE D

NBS SRM 1567—COLLECTED DATA

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| As (ppb) | | | | | |
| | 80. | L* | ICPES | 81WOL | 01 |
| | 50. | L* | HAA | 82JON | 01 |
| | 30. | L* | IENA | 82GLA | 02 |
| | 50. | L* | HAA | 82JON | 01 |
| 5.4 | 0.5 | 7 | RTNA | 77GIL | 03 |
| 5.4 | 0.5 | | RTNA | 78GIL | 01 |
| 5.6 | 1. | 7 | RTNA | 77GIL | 03 |
| 6. | 1. | H | ICPES | 82HAH | 01 |
| 30. | 10. | * | COLOR | 77BUR | 01 |
| B (ppm) | | | | | |
| 1.5 | | | TCGS | 82GLA | 02 |
| Be (ppb) | | | | | |
| | 30. | L* | ICPES | 82KUE | 01 |
| | 30. | L* | ICPES | 82KUE | 01 |
| | 30. | L* | ICPES | 82KUE | 01 |
| Bi (ppb) | | | | | |
| | 8. | L* | ICPES | 82HAH | 01 |
| Br (ppm) | | | | | |
| 9.9 | 1.5 | | ITNA | 78GIL | 01 |
| Ca (ppm) | | | | | |
| 173. | | 38 | AA | 81YAS | 01 |
| 179. | | 38 | AA | 81YAS | 01 |
| 181. | | 38 | AA | 81YAS | 01 |
| 183. | | 38 | AA | 81YAS | 01 |
| 193. | | | ICPES | 81WOL | 01 |
| 194. | 6. | 11 | ICPES | 82JON | 01 |
| 195. | 2. | 6 | ICPES | 82KUE | 01 |
| 195. | 3. | 6 | ICPES | 82KUE | 01 |
| 196. | 2. | 6 | ICPES | 82KUE | 01 |
| 197. | | 38 | AA | 81YAS | 01 |
| 199. | | 38 | AA | 81YAS | 01 |
| 199. | 4. | 11 | ICPES | 82JON | 01 |
| Cd (ppb) | | | | | |
| 20. | | | ASV | 82GAJ | 01 |
| 29. | 4. | | ASV | 82SAT | 02 |
| 30. | 20. | 6 | ICPES | 82KUE | 01 |
| 30. | 20. | 6 | ICPES | 82KUE | 01 |
| 30. | 20. | 6 | ICPES | 82KUE | 01 |
| 40. | 10. | 11 | ICPES | 82JON | 01 |
| 50. | 30. | 11 | ICPES | 82JON | 01 |
| Co (ppb) | | | | | |
| 21. | 4. | | ITNA | 78GIL | 01 |

TABLE D (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Cr (ppb) | | | | | |
| | 250. | L* | ICPES | 82KUE | 01 |
| | 250. | L* | ICPES | 82KUE | 01 |
| | 250. | L* | ICPES | 82KUE | 01 |
| 300. | 100. | 11 | ICPES | 82JON | 01 |
| 400. | 200. | 11 | ICPES | 82JON | 01 |
| Cs (ppb) | | | | | |
| | 200. | L* | ITNA | 82GLA | 02 |
| Cu (ppm) | | | | | |
| 1.8 | 0.2 | 11 | ICPES | 82JON | 01 |
| 1.9 | 0.2 | 11 | ICPES | 82JON | 01 |
| 2. | 0.1 | | ICPES | 81KNA | 01 |
| 2. | 0.2 | | RTNA | 78GIL | 01 |
| 2. | 0.01 | 6 | ICPES | 82KUE | 01 |
| 2.04 | | | ICPES | 81WOL | 01 |
| 2.06 | 0.04 | 6 | ICPES | 82KUE | 01 |
| 2.06 | 0.03 | 6 | ICPES | 82KUE | 01 |
| F (ppb) | | | | | |
| | 200. | L* | ISE | 83GLA | 01 |
| 40. | 20. | | ISE | 83KNA | 01 |
| Fe (ppm) | | | | | |
| 17. | 1. | 11 | ICPES | 82JON | 01 |
| 17.1 | 0.8 | 11 | ICPES | 82JON | 01 |
| 17.2 | 0.6 | | ITNA | 78GIL | 01 |
| 17.7 | 0.7 | 6 | ICPES | 82KUE | 01 |
| 17.9 | 0.8 | 11 | ICPES | 82JON | 01 |
| 18. | 1. | 11 | ICPES | 82JON | 01 |
| 18.4 | 1. | 6 | ICPES | 82KUE | 01 |
| 18.7 | 2.1 | 6 | ICPES | 82KUE | 01 |
| 19.3 | 1.1 | | ICPES | 81KNA | 01 |
| 19.6 | | | ICPES | 81WOL | 01 |
| Ge (ppb) | | | | | |
| | 20. | L* | ICPES | 82HAH | 01 |
| Hg (ppb) | | | | | |
| 1. | 0.3 | | RTNA | 78GIL | 01 |
| K (ppm) | | | | | |
| 1300. | 50. | 11 | ICPES | 82JON | 01 |
| 1310. | 40. | 11 | ICPES | 82JON | 01 |
| 1320. | 10. | 6 | ICPES | 82KUE | 01 |
| 1320. | 10. | 6 | ICPES | 82KUE | 01 |
| 1330. | 20. | 6 | ICPES | 82KUE | 01 |
| 1392. | 37. | * | ITNA | 78GIL | 01 |

TABLE D (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Mg (ppm) | | | | | |
| 398. | 10. | 6 | ICPES | 82KUE | 01 |
| 406. | 3. | 6 | ICPES | 82KUE | 01 |
| 419. | 4. | 6 | ICPES | 82KUE | 01 |
| 420. | 10. | 11 | ICPES | 82JON | 01 |
| 429. | 9. | 11 | ICPES | 82JON | 01 |
| Mn (ppm) | | | | | |
| 6.7 | 1.2 | * | AE+AF | 82GOL | 01 |
| 8. | 0.4 | 11 | ICPES | 82JON | 01 |
| 8.2 | 0.3 | 11 | ICPES | 82JON | 01 |
| 8.3 | | | ICPES | 81WOL | 01 |
| 8.3 | 0.2 | 11 | ICPES | 82JON | 01 |
| 8.55 | 0.15 | 6 | ICPES | 82KUE | 01 |
| 8.58 | 0.16 | 6 | ICPES | 82KUE | 01 |
| 8.6 | 0.4 | | ITNA | 78GIL | 01 |
| 8.67 | 0.12 | 6 | ICPES | 82KUE | 01 |
| 9.9 | 0.5 | * | ICPES | 81KNA | 01 |
| Mo (ppb) | | | | | |
| 380. | 30. | 6 | ICPES | 82KUE | 01 |
| 390. | 90. | 11 | ICPES | 82JON | 01 |
| 400. | 40. | 6 | ICPES | 82KUE | 01 |
| 420. | 40. | 6 | ICPES | 82KUE | 01 |
| 420. | 70. | 11 | ICPES | 82JON | 01 |
| Na (ppm) | | | | | |
| 10.4 | 2.5 | | ITNA | 78GIL | 01 |
| Ni (ppb) | | | | | |
| | 500. | L* | ICPES | 82KUE | 01 |
| | 500. | L* | ICPES | 82KUE | 01 |
| | 500. | L* | ICPES | 82KUE | 01 |
| 160. | 40. | 11 | ICPES | 82JON | 01 |
| 200. | 40. | 11 | ICPES | 82JON | 01 |
| P (ppm) | | | | | |
| 1350. | 20. | 6 | ICPES | 82KUE | 01 |
| 1370. | 50. | 11 | ICPES | 82JON | 01 |
| 1370. | 10. | 6 | ICPES | 82KUE | 01 |
| 1400. | 10. | 6 | ICPES | 82KUE | 01 |
| 1420. | 30. | 11 | ICPES | 82JON | 01 |
| Pb (ppm) | | | | | |
| | 0.1 | L* | ICPES | 82JON | 01 |
| | 0.02 | L* | ASV | 82GAJ | 01 |
| | 0.1 | L* | ICPES | 82JON | 01 |
| | 3.8 | L* | ICPES | 82KUE | 01 |
| | 3.8 | L* | ICPES | 82KUE | 01 |
| | 3.8 | L* | ICPES | 82KUE | 01 |
| 0.018 | 0.003 | | ASV | 82SAT | 02 |

TABLE D (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Rb (ppm) | | | | | |
| 0.99 | 0.16 | | ITNA | 78GIL | 01 |
| Sb (ppb) | | | | | |
| | 2. | L* | ICPES | 82HAH | 01 |
| 38. | 1. | | RTNA | 78GIL | 01 |
| Se (ppm) | | | | | |
| 0.7 | | * | FAA | 81MEY | 01 |
| 0.76 | 0.08 | 11 | HAA | 82JON | 01 |
| 0.82 | 0.08 | | ICPES | 81WOL | 01 |
| 0.87 | | | HAA | 81HAH | 01 |
| 0.87 | 0.06 | H | ICPES | 82HAH | 01 |
| 0.901 | 0.051 | | HAA | 80RAP | 02 |
| 0.91 | 0.03 | 11 | HAA | 82JON | 01 |
| 0.95 | 0.04 | | GC MS | 81REA | 02 |
| 0.96 | 0.08 | | HAA | 81MEY | 01 |
| 1. | 0.1 | 11 | XRF | 80RAP | 01 |
| 1. | 0.2 | | HAA | 81REA | 01 |
| 1. | 0.1 | | HAA | 80VIJ | 01 |
| 1. | | | CSV | 81HAN | 01 |
| 1.03 | 0.04 | | HAA | 81HAN | 01 |
| 1.04 | 0.01 | D* | EXRF | 80RAP | 03 |
| 1.05 | 0.09 | 7 | RTNA | 77GIL | 03 |
| 1.05 | 0.09 | 7 | RTNA | 77GIL | 03 |
| 1.1 | 0.02 | | XRF | 81KNA | 01 |
| 1.1 | 0.02 | 11 | XRF | 80RAP | 01 |
| 1.11 | 0.05 | | RTNA | 78GIL | 01 |
| 1.12 | 0.01 | 7 | RTNA | 77GIL | 03 |
| 1.12 | 0.01 | | ITNA | 78GIL | 01 |
| 1.17 | 0.18 | 7* | RTNA | 77GIL | 03 |
| Sn (ppb) | | | | | |
| | 20. | L* | ICPES | 82HAH | 01 |
| U (ppb) | | | | | |
| 0.95 | 0.24 | 35 | DNA | 80GLA | 04 |
| V (ppb) | | | | | |
| | 50. | L* | ICPES | 82JON | 01 |
| Zn (ppm) | | | | | |
| 10.2 | | * | ICPES | 81WOL | 01 |
| 10.5 | 0.7 | 11 | ICPES | 82JON | 01 |
| 10.6 | 0.7 | 11 | ICPES | 82JON | 01 |
| 10.6 | 0.5 | 11 | ICPES | 82JON | 01 |
| 10.6 | 0.4 | 11 | ICPES | 82JON | 01 |
| 10.88 | 0.56 | | ITNA | 78GIL | 01 |
| 10.9 | 0.1 | 6 | ICPES | 82KUE | 01 |
| 11. | 0.2 | 6 | ICPES | 82KUE | 01 |
| 11.1 | 0.4 | 6 | ICPES | 82KUE | 01 |
| 11.3 | 1.1 | | ICPES | 81KNA | 01 |

## TABLE E

### NBS SRM 1568—COLLECTED DATA

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| As (ppb) | | | | | |
| | 50. | L* | HAA | 82JON | 01 |
| 90. | 10. | * | COLOR | 77BUR | 01 |
| 320. | 40. | *11 | HAA | 82JON | 01 |
| 380. | 20. | 7 | RTNA | 77GIL | 03 |
| 390. | 80. | 7 | RTNA | 77GIL | 03 |
| 390. | 70. | 7 | RTNA | 77GIL | 03 |
| 400. | 10. | 11 | HAA | 81RAP | 01 |
| 400. | 10. | | RTNA | 78GIL | 01 |
| 410. | 20. | 11 | HAA | 81RAP | 01 |
| 410. | 70. | 11 | HAA | 81RAP | 01 |
| 410. | 70. | | HAA | 81KNA | 01 |
| 436. | 18. | | HAA | 82TAM | 01 |
| 440. | 50. | H | ICPES | 82HAH | 01 |
| 452. | 70. | | ICPES | 81WOL | 01 |
| 460. | 70. | | IENA | 82GLA | 02 |
| B (ppm) | | | | | |
| | 1. | L* | TCGS | 82GLA | 02 |
| Bi (ppb) | | | | | |
| | 8. | L* | ICPES | 82HAH | 01 |
| Br (ppm) | | | | | |
| 1.23 | 0.08 | | ITNA | 78GIL | 01 |
| Ca (ppm) | | | | | |
| 142. | 3. | | ICPES | 81WOL | 01 |
| 144. | | 38 | AA | 81YAS | 01 |
| 145. | | 38 | AA | 81YAS | 01 |
| 146. | | 38 | AA | 81YAS | 01 |
| 146. | | 38 | AA | 81YAS | 01 |
| 148. | 5. | 11 | ICPES | 82JON | 01 |
| 148. | 3. | 11 | ICPES | 82JON | 01 |
| 149. | | 38 | AA | 81YAS | 01 |
| 151. | | 38 | AA | 81YAS | 01 |
| Cd (ppb) | | | | | |
| 20. | | | ASV | 82GAJ | 01 |
| 25. | 2. | | ASV | 82SAT | 02 |
| 40. | 20. | 11 | ICPES | 82JON | 01 |
| 60. | 30. | 11 | ICPES | 82JON | 01 |
| Co (ppb) | | | | | |
| 18. | 2. | | ITNA | 78GIL | 01 |
| Cr (ppb) | | | | | |
| 80. | 80. | 11 | ICPES | 82JON | 01 |
| 200 | 200. | 11 | ICPES | 82JON | 01 |
| Cs (ppb) | | | | | |
| | 200. | L* | ITNA | 82GLA | 02 |

### TABLE E (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Cu (ppm) | | | | | |
| 1.9 | 0.2 | 11 | ICPES | 82JON | 01 |
| 1.9 | 0.2 | 11 | ICPES | 82JON | 01 |
| 2.01 | 0.01 | | ICPES | 81WOL | 01 |
| 2.1 | 0.1 | | ICPES | 81KNA | 01 |
| 2.2 | 0.13 | | RTNA | 78GIL | 01 |
| F (ppb) | | | | | |
| 180. | 40. | | ISE | 83KNA | 01 |
| 200. | | | ISE | 83GLA | 01 |
| Fe (ppm) | | | | | |
| 7.1 | 0.4 | 11 | ICPES | 82JON | 01 |
| 7.3 | 0.4 | 11 | ICPES | 82JON | 01 |
| 7.6 | 0.4 | 11 | ICPES | 82JON | 01 |
| 7.8 | 0.4 | 11 | ICPES | 82JON | 01 |
| 8.85 | 0.94 | | ITNA | 78GIL | 01 |
| 9.06 | 1. | | ICPES | 81WOL | 01 |
| 9.4 | 0.3 | | ICPES | 81KNA | 01 |
| Ge (ppb) | | | | | |
| | 20. | L* | ICPES | 82HAH | 01 |
| Hg (ppb) | | | | | |
| 5.6 | 0.5 | | CVAA | 81KNA | 01 |
| 6.4 | 1. | | RTNA | 78GIL | 01 |
| I (ppm) | | | | | |
| 0.011 | 0.001 | 35 | RTNA | 81ALL | 01 |
| 0.012 | 0.001 | 34 | RTNA | 81ALL | 01 |
| K (ppm) | | | | | |
| 965. | 11. | | ICPES | 81WOL | 01 |
| 1125. | 16. | | ITNA | 78GIL | 01 |
| 1140. | 30. | 11 | ICPES | 82JON | 01 |
| 1150. | 80. | 11 | ICPES | 82JON | 01 |
| Mg (ppm) | | | | | |
| 510. | 20. | 11 | ICPES | 82JON | 01 |
| 510. | 10. | 11 | ICPES | 82JON | 01 |
| Mn (ppm) | | | | | |
| 19.1 | 0.9 | 11 | ICPES | 82JON | 01 |
| 19.9 | 0.4 | | ICPES | 81WOL | 01 |
| 19.95 | 0.69 | | ITNA | 78GIL | 01 |
| 20.1 | 0.3 | 11 | ICPES | 82JON | 01 |
| 20.2 | 0.5 | 11 | ICPES | 82JON | 01 |
| 21.4 | 1.4 | | ICPES | 81KNA | 01 |
| Mo (ppm) | | | | | |
| 1.59 | 0.07 | 11 | ICPES | 82JON | 01 |
| 1.59 | 0.09 | 11 | ICPES | 82JON | 01 |

TABLE E (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 1.6 | 0.13 | | ICPES | 81WOL | 01 |
| Na (ppm) | | | | | |
| 6.9 | 0.4 | | ITNA | 78GIL | 01 |
| Ni (ppb) | | | | | |
| 150. | 20. | 11 | ICPES | 82JON | 01 |
| 160. | 30. | 11 | ICPES | 82JON | 01 |
| P (ppm) | | | | | |
| 1600. | 60. | 11 | ICPES | 82JON | 01 |
| 1630. | 30. | 11 | ICPES | 82JON | 01 |
| Pb (ppb) | | | | | |
| | 100. | L* | ICPES | 82JON | 01 |
| | 100. | L* | ICPES | 82JON | 01 |
| 30. | | | ASV | 82GAJ | 01 |
| 35. | 4. | | ASV | 82SAT | 02 |
| Rb (ppm) | | | | | |
| 7.27 | 0.21 | | ITNA | 78GIL | 01 |
| Sb (ppb) | | | | | |
| | 2. | L* | ICPES | 82HAH | 01 |
| 5. | 1. | | RTNA | 78GIL | 01 |
| Se (ppb) | | | | | |
| 280. | 55. | | FAA | 81MEY | 01 |
| 280. | 30. | 11 | HAA | 82JON | 01 |
| 315. | 14. | | HAA | 81HAH | 01 |
| 320. | 40. | 11 | HAA | 82JON | 01 |
| 320. | 50. | | HAA | 81MEY | 01 |
| 331. | 29. | | ICPES | 81WOL | 01 |
| 338. | 3. | 7 | RTNA | 77GIL | 03 |
| 370. | 60. | H | ICPES | 82HAH | 01 |
| 370. | 30. | | HAA | 80RAP | 02 |
| 380. | 10. | | HAA | 81HAN | 01 |
| 380. | 50. | | HAA | 80VIJ | 01 |
| 390. | 70. | | HAA | 81REA | 01 |
| 390. | 20. | | GC MS | 81REA | 02 |
| 400. | 100. | 11 | XRF | 80RAP | 01 |
| 400. | 20. | | XRF | 81KNA | 01 |
| 400. | 20. | 11 | XRF | 80RAP | 01 |
| 400. | 8. | D* | EXRF | 80RAP | 03 |
| 420. | 30. | | ITNA | 78GIL | 01 |
| 420. | 30. | 7 | RTNA | 77GIL | 03 |
| 450. | 30. | | RTNA | 78GIL | 01 |
| 460. | 80. | 7 | RTNA | 77GIL | 03 |
| 480. | 70. | | HAA | 82TAM | 01 |
| Sn (ppb) | | | | | |
| | 20. | L* | ICPES | 82HAH | 01 |

TABLE E (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| U (ppb) | | | | | |
| 0.89 | 0.22 | 35 | DNA | 80GLA | 04 |
| V (ppb) | | | | | |
| | 50. | L* | ICPES | 82JON | 01 |
| Zn (ppm) | | | | | |
| 19.3 | 0.7 | 11 | ICPES | 82JON | 01 |
| 19.4 | 0.4 | | ICPES | 81WOL | 01 |
| 19.8 | 0.8 | 11 | ICPES | 82JON | 01 |
| 19.97 | 0.69 | | ITNA | 78GIL | 01 |
| 20. | 1. | 11 | ICPES | 82JON | 01 |
| 20.2 | 0.8 | 11 | ICPES | 82JON | 01 |
| 21.3 | 1.3 | * | ICPES | 81KNA | 01 |

TABLE F

NBS SRM 1569—COLLECTED DATA

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Al (ppm) | | | | | |
| 2000. | 56. | 11 | ICPES | 82JON | 01 |
| 2300. | 10. | | ITNA | 78BER | 01 |
| As (ppb) | | | | | |
| 530. | 80. | 11 | HAA | 82JON | 01 |
| 560. | 30. | 11 | HAA | 82JON | 01 |
| 670. | 70. | | IENA | 82GLA | 02 |
| B (ppm) | | | | | |
| 6.2 | | | TCGS | 82GLA | 02 |
| Br (ppm) | | | | | |
| 0.65 | 0.03 | | ITNA | 78BER | 01 |
| 6.7 | 0.4 | | ITNA | 79KOB | 03 |
| Ca (ppm) | | | | | |
| 2270. | 70. | 11 | ICPES | 82JON | 01 |
| 2290. | 10. | 11 | ICPES | 82JON | 01 |
| 2420. | 40. | 11 | ICPES | 82JON | 01 |
| 2490. | 30. | 11 | ICPES | 82JON | 01 |
| Cd (ppb) | | | | | |
| 80. | 40. | 11 | ICPES | 82JON | 01 |
| 120. | 70. | 11 | ICPES | 82JON | 01 |
| 180. | 70. | 11 | ICPES | 82JON | 01 |
| 290. | 60. | 11 | ICPES | 82JON | 01 |
| Ce (ppm) | | | | | |
| 2.3 | 0.1 | | ITNA | 78BER | 01 |
| Cl (ppm) | | | | | |
| 460. | 30. | | ITNA | 78BER | 01 |
| Co (ppb) | | | | | |
| 260. | 20. | | ITNA | 78BER | 01 |
| 300. | 60. | | ITNA | 79KOB | 03 |
| Cr (ppm) | | | | | |
| 0.078 | 0.026 | * | FAA | 74WOL | 01 |
| 0.7 | 0.1 | *11 | ICPES | 82JON | 01 |
| 0.87 | | | FAA | 80CHA | 01 |
| 1.04 | 0.04 | 7 | FAA | 80CHA | 01 |
| 1.12 | 0.08 | | RTNA | 78GOE | 01 |
| 1.2 | 0.6 | 11 | ICPES | 82JON | 01 |
| 1.558 | 0.015 | 11 | RTNA | 78MCC | 01 |
| 2. | 0.02 | | NM | 80SHI | 01 |
| 2.043 | | 11 | NAA | 79VER | 01 |
| 2.074 | 0.012 | 11 | RTNA | 78MCC | 01 |
| 2.08 | 0.09 | | IDMS | 79VEI | 01 |
| 2.082 | 0.013 | 24 | ITNA | 78MCC | 01 |

TABLE F (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 2.094 | | 11 | NAA | 79VER | 01 |
| 2.096 | 0.02 | 24 | ITNA | 78MCC | 01 |
| 2.1 | 0.5 | | ITNA | 79KOB | 03 |
| 2.119 | 0.025 | 24 | ITNA | 78MCC | 01 |
| 2.12 | 0.08 | | ITNA | 78BER | 01 |
| 2.13 | 0.12 | 7 | FAA | 80CHA | 01 |
| 2.17 | 0.11 | | ITNA | 82GLA | 02 |
| Cs (ppb) | | | | | |
| | 200. | L* | ITNA | 82GLA | 02 |
| Cu (ppm) | | | | | |
| 11. | 2. | | ITNA | 78BER | 01 |
| 13. | 1. | 11 | ICPES | 82JON | 01 |
| 17.7 | 0.2 | 11 | ICPES | 82JON | 01 |
| 18.1 | 0.7 | 11 | ICPES | 82JON | 01 |
| 18.4 | 0.3 | 11 | ICPES | 82JON | 01 |
| Eu (ppb) | | | | | |
| 20. | 10. | | ITNA | 79KOB | 03 |
| F (ppm) | | | | | |
| 14. | 2. | | ISE | 83KNA | 01 |
| 15. | 2. | | ISE | 83GLA | 01 |
| Fe (ppm) | | | | | |
| 257. | 34. | *11 | ICPES | 82JON | 01 |
| 499. | 15. | 11 | ICPES | 82JON | 01 |
| 590. | 24. | | ITNA | 79KOB | 03 |
| 660. | 15. | 11 | ICPES | 82JON | 01 |
| 693. | 25. | 11 | ICPES | 82JON | 01 |
| 707. | 16. | | ITNA | 78BER | 01 |
| Ga (ppm) | | | | | |
| 7.1 | 0.5 | | ITNA | 78BER | 01 |
| Hf (ppb) | | | | | |
| 130. | 10. | | ITNA | 78BER | 01 |
| Hg (ppb) | | | | | |
| 22. | | | CVAA | 82GLA | 02 |
| I (ppb) | | | | | |
| 60. | 20. | | IENA | 82SAT | 01 |
| K (%) | | | | | |
| 1.4 | 0.1 | 11 | ICPES | 82JON | 01 |
| 1.45 | 0.007 | 11 | ICPES | 82JON | 01 |
| 1.45 | 0.05 | 11 | ICPES | 82JON | 01 |
| 1.55 | 0.05 | | ITNA | 78BER | 01 |
| 1.59 | 0.04 | 11 | ICPES | 82JON | 01 |
| 1.71 | 0.12 | | ITNA | 79KOB | 03 |

TABLE F (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| **Mg (ppm)** | | | | | |
| 1730. | 70. | 11 | ICPES | 82JON | 01 |
| 1780. | 100. | | ITNA | 78BER | 01 |
| 1870. | 50. | 11 | ICPES | 82JON | 01 |
| 1900. | 60. | 11 | ICPES | 82JON | 01 |
| 1980. | 60. | 11 | ICPES | 82JON | 01 |
| **Mn (ppm)** | | | | | |
| 7. | 0.8 | * | ITNA | 78BER | 01 |
| 9.1 | 0.6 | 11 | ICPES | 82JON | 01 |
| 9.6 | 0.6 | 11 | ICPES | 82JON | 01 |
| 10. | 1.5 | | ITNA | 79KOB | 03 |
| 10.4 | 0.8 | 11 | ICPES | 82JON | 01 |
| 10.9 | 0.7 | 11 | ICPES | 82JON | 01 |
| **Mo (ppm)** | | | | | |
| 3.3 | 0.3 | 11 | ICPES | 82JON | 01 |
| 3.4 | 0.1 | 11 | ICPES | 82JON | 01 |
| 3.8 | 0.2 | 11 | ICPES | 82JON | 01 |
| 3.9 | 0.2 | 11 | ICPES | 82JON | 01 |
| **Na (ppm)** | | | | | |
| 510. | 30. | | ITNA | 78BER | 01 |
| 670. | 42. | | ITNA | 79KOB | 03 |
| **Ni (ppm)** | | | | | |
| 4.6 | 0.3 | 11 | ICPES | 82JON | 01 |
| 4.8 | 0.1 | 11 | ICPES | 82JON | 01 |
| 5.9 | 0.2 | 11 | ICPES | 82JON | 01 |
| 6. | 0.2 | 11 | ICPES | 82JON | 01 |
| **P (%)** | | | | | |
| 1. | 0.04 | 11 | ICPES | 82JON | 01 |
| 1.02 | 0.03 | 11 | ICPES | 82JON | 01 |
| 1.04 | 0.05 | 11 | ICPES | 82JON | 01 |
| 1.08 | 0.04 | 11 | ICPES | 82JON | 01 |
| **Pb (ppb)** | | | | | |
| 200. | 200. | 11 | ICPES | 82JON | 01 |
| 500. | 500. | 11 | ICPES | 82JON | 01 |
| **Rb (ppm)** | | | | | |
| 16. | 1. | | ITNA | 78BER | 01 |
| **Sb (ppb)** | | | | | |
| 75. | 5. | | ITNA | 78BER | 01 |
| 230. | 50. | | ITNA | 79KOB | 03 |
| **Sc (ppb)** | | | | | |
| 180. | 10. | | ITNA | 78BER | 01 |
| 220. | 30. | | ITNA | 79KOB | 03 |

TABLE F (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| **Se (ppm)** | | | | | |
| 0.92 | 0.09 | | ITNA | 78BER | 01 |
| 0.98 | 0.05 | 11 | HAA | 82JON | 01 |
| 1.01 | 0.06 | 11 | HAA | 82JON | 01 |
| **Th (ppm)** | | | | | |
| 3.7 | 0.2 | | ITNA | 78BER | 01 |
| **Ti (ppm)** | | | | | |
| 38. | 2. | | ITNA | 78BER | 01 |
| **U (ppb)** | | | | | |
| 441. | 4. | | IDMS | 82CUR | 01 |
| 460. | 20. | 35 | DNA | 81GLA | 03 |
| 470. | 20. | | DNA | 83GLA | 01 |
| 470. | 20. | 35 | DNA | 80GLA | 04 |
| 470. | 20. | | DNA | 82GLA | 02 |
| 470. | 50. | 35 | DNA | 81GLA | 04 |
| 490. | 20. | | ITNA | 78BER | 01 |
| **U-238/235** | | | | | |
| 137.7 | 1.3 | | IDMS | 82CUR | 01 |
| **V (ppm)** | | | | | |
| 1.46 | 0.05 | 11 | ICPES | 82JON | 01 |
| 4.1 | 0.1 | | ITNA | 78BER | 01 |
| 4.4 | 0.1 | 11 | ICPES | 82JON | 01 |
| **Zn (ppm)** | | | | | |
| 30. | 4.3 | * | ITNA | 79KOB | 03 |
| 59. | 6. | 11 | ICPES | 82JON | 01 |
| 63. | 2. | 11 | ICPES | 82JON | 01 |
| 64. | 5. | 11 | ICPES | 82JON | 01 |
| 64. | 4. | 11 | ICPES | 82JON | 01 |
| 65. | 2. | 11 | ICPES | 82JON | 01 |
| 65. | 2. | 11 | ICPES | 82JON | 01 |
| 66. | 2. | 11 | ICPES | 82JON | 01 |
| 70. | 2. | | ITNA | 78BER | 01 |
| 70. | 4. | 11 | ICPES | 82JON | 01 |

TABLE G

NBS SRM 1570—COLLECTED DATA

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| **Ag (ppb)** | | | | | |
| 65. | 40. | | AA | 80JAC | 01 |
| 65. | 10. | | RTNA | 80SLO | 01 |
| **Al (ppm)** | | | | | |
| 482. | | * | ICPES | 78CAP | 01 |
| 782. | 31. | 11 | ICPES | 82JON | 01 |
| 820. | 25. | | ITNA | 83GLA | 01 |
| 824. | 10. | | ITNA | 80SLO | 01 |
| 829. | 23. | | ITNA | 77NAD | 02 |
| 881. | | | ITNA | 78CAP | 01 |
| 1190. | | *35 | ITNA | 81GLA | 03 |
| **As (ppb)** | | | | | |
| | 100. | L* | IENA | 83GLA | 01 |
| 62. | 13. | *7 | FAA | 82HOE | 02 |
| 114. | | * | HAA | 77IHN | 01 |
| 147. | 1. | | RTNA | 79HOE | 01 |
| 150. | 10. | 11 | HAA | 82JON | 01 |
| 150. | 13. | 7 | FAA | 82HOE | 02 |
| 152. | 5. | 7 | FAA | 82HOE | 02 |
| 160. | | | FAA | 78CAP | 01 |
| 160. | 10. | 11 | HAA | 82JON | 01 |
| 170. | 20. | | FAA | 80DUP | 01 |
| 170. | 10. | H | ICPES | 82HAH | 01 |
| 170. | 40. | | RTNA | 80SLO | 01 |
| 170. | 10. | | COLOR | 77BUR | 01 |
| 180. | 70. | | IENA | 82GLA | 02 |
| 180. | 20. | | HAA | 80TAM | 01 |
| **Au (ppb)** | | | | | |
| 0.4 | | | RTNA | 80SLO | 01 |
| 2. | | | ITNA | 79REN | 03 |
| **B (ppm)** | | | | | |
| 20.9 | 0.3 | | ICPES | 79HER | 01 |
| 28. | 0.4 | | TCGS | 82GLA | 02 |
| **Ba (ppm)** | | | | | |
| | 45. | L* | ITNA | 78CAP | 01 |
| 13.1 | 1.8 | | ITNA | 77NAD | 02 |
| 87. | 29. | | ITNA | 79REN | 03 |
| **Be (ppb)** | | | | | |
| | 30. | L* | ICPES | 82KUE | 01 |
| | 60. | L* | ICPES | 78CAP | 01 |
| | 30. | L* | ICPES | 82KUE | 01 |
| | 30. | L* | ICPES | 82KUE | 01 |
| **Bi (ppb)** | | | | | |
| | 8. | L* | ICPES | 82HAH | 01 |

TABLE G (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| **Br (ppm)** | | | | | |
| | 65. | L* | ITNA | 80TOU | 01 |
| 42.4 | 2.4 | 5 | ITNA | 80HOE | 01 |
| 43.6 | 2.3 | 5 | IENA | 79GLA | 02 |
| 45. | 3.3 | | ITNA | 80SLO | 01 |
| 45.1 | 0.3 | 5 | IENA | 79GLA | 02 |
| 46. | 2. | 5 | ITNA | 80HOE | 01 |
| 47. | 4. | | ITNA | 83GLA | 01 |
| 47.2 | 0.5 | | ITNA | 77NAD | 02 |
| 48. | 9.4 | | ITNA | 79REN | 03 |
| 48. | | | ITNA | 78CAP | 01 |
| 52. | 4.8 | | ITNA | 79KOB | 03 |
| 54. | 3. | 35 | NAA | 81GLA | 03 |
| 55.3 | 3.8 | 5 | ITNA | 80TOU | 01 |
| 138. | | * | EXRF | 81PAR | 01 |
| **C (%)** | | | | | |
| 40.82 | 0.81 | | CB | 80SCH | 02 |
| **Ca (%)** | | | | | |
| | 0.86 | L* | ITNA | 80TOU | 01 |
| 0.82 | 0.11 | * | ITNA | 80SLO | 01 |
| 1.19 | 0.09 | 6 | EXRF | 79MAT | 01 |
| 1.21 | | 35 | AA | 81GLA | 04 |
| 1.24 | 0.08 | 11 | ICPES | 82JON | 01 |
| 1.25 | 0.01 | 11 | ICPES | 82JON | 01 |
| 1.29 | 0.03 | 6 | ICPES | 82KUE | 01 |
| 1.347 | 0.014 | | NM | 81YUZ | 01 |
| 1.35 | 0.025 | 6 | ICPES | 82KUE | 01 |
| 1.36 | 0.04 | 11 | ICPES | 82JON | 01 |
| 1.37 | 0.07 | 5 | ITNA | 80TOU | 01 |
| 1.38 | 0.014 | 6 | ICPES | 82KUE | 01 |
| 1.39 | 0.03 | 11 | ICPES | 82JON | 01 |
| 1.4 | 0.04 | 6 | EXRF | 79MAT | 01 |
| 1.46 | | | ITNA | 78CAP | 01 |
| 1.49 | 0.1 | | ITNA | 77NAD | 02 |
| 1.54 | 0.01 | | ICPES | 79HER | 01 |
| 1.62 | | | ICPES | 78CAP | 01 |
| 1.78 | 0.25 | * | ITNA | 79REN | 03 |
| 2.45 | | * | EXRF | 81PAR | 01 |
| **Cd (ppm)** | | | | | |
| | 2.5 | L* | ICPES | 78CAP | 01 |
| 1.2 | 0.15 | | ASV | 82GAJ | 01 |
| 1.2 | | | FAA | 80PRE | 01 |
| 1.23 | 0.16 | | ASV | 82SAT | 02 |
| 1.3 | | | FAA | 82PRE | 01 |
| 1.32 | | | ASV | 78CAP | 01 |
| 1.38 | 0.08 | | RTNA | 80SLO | 01 |
| 1.4 | 0.08 | 11 | ICPES | 82JON | 01 |
| 1.41 | 0.03 | 6 | ICPES | 82KUE | 01 |
| 1.42 | 0.03 | 6 | ICPES | 82KUE | 01 |
| 1.45 | 0.07 | 6 | ICPES | 82KUE | 01 |
| 1.46 | 0.04 | | FAA | 80LEG | 01 |
| 1.46 | 0.02 | | NAA | 76DER | 01 |
| 1.49 | 0.08 | 11 | ICPES | 82JON | 01 |
| 1.52 | 0.07 | | RTNA | 77DER | 01 |
| 1.6 | 0.2 | | FAA | 81KNA | 01 |

TABLE G (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 1.67 | 0.29 | | SSMS | 77PAU | 01 |
| 1.7 | 0.1 | | RTNA | 76GAL | 01 |
| 1.7 | 0.2 | | AA | 80SCH | 05 |
| 2. | 0.1 | | AA | 76GAL | 01 |
| 2.1 | 0.2 | | ICPES | 79HER | 01 |
| 2.2 | 1. | *11 | ICPES | 82JON | 01 |
| 2.8 | 0.1 | *11 | ICPES | 82JON | 01 |
| **Ce (ppb)** | | | | | |
| 240. | 30. | | RTNA | 80SLO | 01 |
| **Cl (ppm)** | | | | | |
| 6000. | | 35 | ITNA | 81GLA | 04 |
| 6290. | | | ITNA | 78CAP | 01 |
| 6500. | 300. | | CPXRF | 79REN | 02 |
| 6800. | 100. | | ITNA | 80SLO | 01 |
| 7000. | 120. | | ITNA | 83GLA | 01 |
| 10000. | 1000. | * | ITNA | 77NAD | 02 |
| **Co (ppm)** | | | | | |
| | 26. | L* | ITNA | 80TOU | 01 |
| 0.9 | 0.1 | * | PAA | 80YAM | 01 |
| 1.41 | | | ITNA | 78CAP | 01 |
| 1.47 | 0.1 | | AA | 80JAC | 01 |
| 1.49 | 0.05 | | RTNA | 80SLO | 01 |
| 1.5 | 0.1 | | ITNA | 79KOB | 03 |
| 1.5 | 0.2 | | ITNA | 79REN | 03 |
| 1.6 | 0.1 | 5 | ITNA | 80TOU | 01 |
| 1.65 | | | FAA | 82HOE | 01 |
| 1.68 | 0.03 | | RTNA | 77MEL | 01 |
| 1.7 | 0.1 | | ITNA | 76GAL | 01 |
| 1.76 | 0.01 | | ITNA | 77NAD | 02 |
| 3.2 | 0.2 | * | AA | 76GAL | 01 |
| **Cr (ppm)** | | | | | |
| 3.06 | 0.3 | | AA | 80JAC | 01 |
| 3.5 | 0.3 | 6 | ICPES | 82KUE | 01 |
| 3.54 | 0.3 | 6 | ICPES | 82KUE | 01 |
| 3.6 | 0.5 | 11 | ICPES | 82JON | 01 |
| 3.75 | | 11 | AA | 79HOE | 02 |
| 4.3 | 0.5 | | ITNA | 77NAD | 02 |
| 4.3 | 0.7 | 6 | ICPES | 82KUE | 01 |
| 4.4 | | | FAA | 82HOE | 01 |
| 4.4 | | 11 | AA | 79HOE | 02 |
| 4.5 | 0.2 | | RTNA | 76GAL | 01 |
| 4.5 | 0.3 | | ITNA | 79KOB | 03 |
| 4.51 | | 11 | AA | 79HOE | 02 |
| 4.6 | 0.2 | 11 | ICPES | 82JON | 01 |
| 4.7 | 0.3 | D* | DCP | 81REE | 01 |
| 4.7 | 0.3 | | DCP | 79REE | 01 |
| 4.7 | 0.4 | | ITNA | 82GLA | 02 |
| 4.8 | | | ITNA | 78CAP | 01 |
| 5.2 | 0.5 | | ITNA | 76GAL | 01 |
| 5.2 | 1.5 | | AE+AF | 82GOL | 01 |
| 5.8 | 0.2 | | AA | 76GAL | 01 |
| 6. | 0.7 | | PAA | 80YAM | 01 |
| 6.2 | 0.1 | | ICPES | 79HER | 01 |
| 7.5 | 1.6 | | ITNA | 79REN | 03 |

TABLE G (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 20.5 | 2.8 | *11 | RTNA | 76STE | 01 |
| 21. | 2. | *11 | RTNA | 77MEL | 01 |
| 21.3 | 2.6 | *11 | RTNA | 76STE | 01 |
| 21.8 | 1.5 | *11 | RTNA | 76STE | 01 |
| 23.9 | 0.9 | *11 | RTNA | 76STE | 01 |
| 24.5 | 1.2 | *11 | RTNA | 76STE | 01 |
| 24.8 | 2.8 | | ITNA | 76STE | 01 |
| **Cs (ppb)** | | | | | |
| | 200. | L* | ITNA | 82GLA | 02 |
| 48. | 5. | | ITNA | 77NAD | 02 |
| 64. | 2. | | ITNA | 83GLA | 01 |
| 270. | 40. | | RTNA | 77MEL | 01 |
| 320. | 40. | | ITNA | 79REN | 03 |
| **Cu (ppm)** | | | | | |
| 9.1 | 0.4 | * | AA | 76GAL | 01 |
| 10.9 | 0.6 | | RTNA | 80SLO | 01 |
| 10.9 | 0.3 | 11 | ICPES | 82JON | 01 |
| 11.1 | 0.2 | 11 | ICPES | 82JON | 01 |
| 11.1 | 0.5 | 11 | ICPES | 82JON | 01 |
| 11.2 | 0.4 | 11 | ICPES | 82JON | 01 |
| 11.4 | 0.5 | | RTNA | 79KOB | 01 |
| 11.5 | 0.5 | | SSMS | 77PAU | 01 |
| 11.5 | 0.4 | | FAE | 76EPS | 01 |
| 11.6 | 0.7 | | ITNA | 79KOB | 03 |
| 11.6 | 0.7 | | RTNA | 78KOB | 01 |
| 11.8 | 0.3 | | RTNA | 77DER | 01 |
| 11.8 | 0.3 | 6 | ICPES | 82KUE | 01 |
| 11.8 | 2.5 | | VV | 80SCH | 05 |
| 12. | 0.3 | 6 | ICPES | 82KUE | 01 |
| 12.06 | 0.03 | | COLOR | 77BUR | 01 |
| 12.1 | 0.2 | | ICPES | 79HER | 01 |
| 12.1 | | | AA | 80EVA | 01 |
| 12.1 | 0.1 | | COLOR | 76EPS | 01 |
| 12.2 | 0.1 | 6 | ICPES | 82KUE | 01 |
| 12.3 | | | ICPES | 78CAP | 01 |
| 12.3 | | 11 | AA | 79HOE | 02 |
| 12.6 | | | FAA | 78CAP | 01 |
| 12.6 | 1.4 | 6 | EXRF | 79MAT | 01 |
| 12.7 | 0.4 | | AA | 76EPS | 01 |
| 13. | 1. | D* | DCP | 81REE | 01 |
| 13. | 1. | | DCP | 79REE | 01 |
| 13.2 | | *11 | AA | 79HOE | 02 |
| **Eu (ppb)** | | | | | |
| | 200. | L* | ITNA | 78CAP | 01 |
| 14. | 1. | | ITNA | 79KOB | 03 |
| 20. | 1. | | ITNA | 77NAD | 02 |
| **F (ppm)** | | | | | |
| 4.3 | 0.4 | | ISE | 83KNA | 01 |
| 4.4 | 0.3 | | ISE | 83GLA | 01 |
| **Fe (ppm)** | | | | | |
| 178. | 2. | D* | DCP | 81REE | 01 |
| 470. | 50. | 6 | ICPES | 82KUE | 01 |
| 478. | | | ICPES | 78CAP | 01 |

TABLE G (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 491. | 20. | 11 | ICPES | 82JON | 01 |
| 494. | | | FAA | 78CAP | 01 |
| 510. | | | ITNA | 78CAP | 01 |
| 511. | 7. | | ICPES | 79HER | 01 |
| 518. | 8. | 11 | ICPES | 82JON | 01 |
| 522. | 14. | 11 | COLOR | 82SCH | 03 |
| 525. | 11. | 6 | EXRF | 79MAT | 01 |
| 530. | 11. | 6 | ICPES | 82KUE | 01 |
| 540. | 18. | | ICPES | 80SCH | 05 |
| 540. | 23. | | ITNA | 79KOB | 03 |
| 540. | 10. | 6 | ICPES | 82KUE | 01 |
| 541. | 15. | 11 | ICPES | 82JON | 01 |
| 545. | | | AA | 80EVA | 01 |
| 548. | 9. | | NM | 80SUZ | 01 |
| 551. | | 11 | AA | 79HOE | 02 |
| 556. | 11. | 11 | COLOR | 82SCH | 03 |
| 557. | 8. | | RTNA | 80SLO | 01 |
| 557. | 19. | 11 | ICPES | 82JON | 01 |
| 557. | 8. | | ITNA | 79DAS | 01 |
| 566. | 18. | | ITNA | 77NAD | 02 |
| 570. | | 11 | AA | 79HOE | 02 |
| 597. | 6. | 6 | EXRF | 79MAT | 01 |
| 600. | 90. | 35 | ITNA | 81GLA | 03 |
| 660. | 300. | * | ITNA | 79REN | 03 |
| 763. | 34. | * | RTNA | 77MEL | 01 |
| 1200. | | * | EXRF | 81PAR | 01 |
| **Ge (ppb)** | | | | | |
| | 20. | L* | ICPES | 82HAH | 01 |
| **H (%)** | | | | | |
| 5.54 | 0.08 | | CB | 80SCH | 02 |
| 5.6 | 0.1 | 35 | TCGS | 79GLA | 04 |
| **Hf (ppb)** | | | | | |
| 40. | 20. | | RTNA | 80SLO | 01 |
| **Hg (ppb)** | | | | | |
| 25. | | 11 | CVAA | 79HOE | 02 |
| 26. | 8. | | RTNA | 80SLO | 01 |
| 30. | 5. | | CVAA | 82GLA | 02 |
| 33. | 16. | | CVAA | 82DOO | 01 |
| 34. | 3. | | ITNA | 77NAD | 02 |
| 110. | 20. | * | RTNA | 77MEL | 01 |
| **I (ppm)** | | | | | |
| 1.08 | 0.16 | | IENA | 82SAT | 01 |
| 1.1 | 0.2 | | PAA | 77WIL | 01 |
| 1.267 | 0.054 | 35 | RTNA | 81ALL | 01 |
| 1.325 | 0.055 | | RTNA | 81STR | 01 |
| 1.325 | 0.055 | 34 | RTNA | 81ALL | 01 |
| **In (ppb)** | | | | | |
| 1.2 | 0.1 | | RTNA | 78KOB | 01 |
| 1.3 | 0.2 | | RTNA | 79KOB | 01 |

TABLE G (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| **K (%)** | | | | | |
| 3.26 | 0.23 | | ITNA | 79REN | 03 |
| 3.29 | 0.18 | | ICPES | 79HER | 01 |
| 3.43 | 0.11 | | ITNA | 77NAD | 02 |
| 3.52 | 0.1 | 6 | ICPES | 82KUE | 01 |
| 3.53 | 0.032 | 6 | ICPES | 82KUE | 01 |
| 3.54 | | | ITNA | 80EDD | 01 |
| 3.56 | | 1 | AA | 78SZY | 01 |
| 3.57 | 0.04 | 6 | ICPES | 82KUE | 01 |
| 3.59 | | | ICPES | 79COO | 01 |
| 3 6 | 0 2 | 11 | ICPES | 82JON | 01 |
| 3.6 | 0.09 | | ITNA | 79KOB | 03 |
| 3.61 | | 1 | AA | 78SZY | 01 |
| 3.61 | 0.35 | | ITNA | 82EHM | 01 |
| 3.7 | 0.04 | 11 | ICPES | 82JON | 01 |
| 3.7 | 0.1 | 11 | ICPES | 82JON | 01 |
| 3.73 | | | ITNA | 78CAP | 01 |
| 3.74 | 0.07 | | ITNA | 80SLO | 01 |
| 3.9 | 0.1 | 11 | ICPES | 82JON | 01 |
| 4.04 | 0.06 | *6 | EXRF | 79MAT | 01 |
| 4.85 | 0.05 | *6 | EXRF | 79MAT | 01 |
| 7.95 | | * | EXRF | 81PAR | 01 |
| **La (ppb)** | | | | | |
| | 700. | L* | ITNA | 78CAP | 01 |
| 260. | 50. | | RTNA | 80SLO | 01 |
| 320. | 30. | | ITNA | 77NAD | 02 |
| 350. | 60. | | ITNA | 79REN | 03 |
| **Lu (ppb)** | | | | | |
| | 5. | L* | RTNA | 80SLO | 01 |
| **Mg (ppm)** | | | | | |
| 7000. | | * | ICPES | 78CAP | 01 |
| 7300. | 500. | | ITNA | 80SLO | 01 |
| 8400. | | | FAA | 78CAP | 01 |
| 8550. | 65. | 6 | ICPES | 82KUE | 01 |
| 8600. | 400. | 11 | ICPES | 82JON | 01 |
| 8600. | 230. | 6 | ICPES | 82KUE | 01 |
| 8700. | 100. | | ICPES | 79HER | 01 |
| 8790. | 150. | 6 | ICPES | 82KUE | 01 |
| 8800. | 100. | 11 | ICPES | 82JON | 01 |
| 8900. | 300. | 11 | ICPES | 82JON | 01 |
| 9000. | 600. | | ITNA | 78CAP | 01 |
| 9000. | 200. | 11 | ICPES | 82JON | 01 |
| 9800. | | | ITNA | 77NAD | 02 |
| **Mn (ppm)** | | | | | |
| 1.3 | 0.1 | D* | DCP | 81REE | 01 |
| 49. | 2. | *11 | ICPES | 82JON | 01 |
| 102. | 3. | * | AA | 76GAL | 01 |
| 118. | 3. | * | ITNA | 76GAL | 01 |
| 146. | 32. | | AE+AF | 82GOL | 01 |
| 155. | | | FAA | 78CAP | 01 |
| 156. | | 11 | AA | 79HOE | 02 |
| 156. | 5. | | ITNA | 79KOB | 03 |
| 157. | | | ICPES | 78CAP | 01 |

TABLE G (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 158. | 7. | 11 | ICPES | 82JON | 01 |
| 159. | | 11 | AA | 79HOE | 02 |
| 160. | | 35 | ITNA | 81GLA | 04 |
| 160. | 3. | 11 | ICPES | 82JON | 01 |
| 161. | 6. | | ITNA | 77NAD | 02 |
| 162. | 9. | | ITNA | 83GLA | 01 |
| 165. | 3. | 6 | EXRF | 79MAT | 01 |
| 165. | 3. | 6 | ICPES | 82KUE | 01 |
| 166. | 5. | 11 | ICPES | 82JON | 01 |
| 166. | 1. | | ICPES | 79HER | 01 |
| 167. | 6. | 11 | ICPES | 82JON | 01 |
| 168. | 3. | | VV | 80SCH | 05 |
| 169. | 4. | | ITNA | 80SLO | 01 |
| 170. | | | AA | 80EVA | 01 |
| 171. | 1. | 6 | ICPES | 82KUE | 01 |
| 171. | | | ITNA | 78CAP | 01 |
| 172. | 5. | 6 | ICPES | 82KUE | 01 |
| 178. | 2. | | DCP | 79REE | 01 |
| 184. | 10. | 6 | EXRF | 79MAT | 01 |
| 187.9 | 18.9 | | PAA | 80YAM | 01 |
| 200. | | * | ITNA | 79REN | 03 |
| 684. | | * | EXRF | 81PAR | 01 |
| **Mo (ppb)** | | | | | |
| | 300. | L* | ICPES | 82KUE | 01 |
| | 5000. | L* | ICPES | 78CAP | 01 |
| | 300. | L* | ICPES | 82KUE | 01 |
| | 300. | L* | ICPES | 82KUE | 01 |
| 200. | 100. | 11 | ICPES | 82JON | 01 |
| 200. | 100. | 11 | ICPES | 82JON | 01 |
| 300. | 100. | | RTNA | 80SLO | 01 |
| 300. | 100. | 11 | ICPES | 82JON | 01 |
| 400. | 200. | 11 | ICPES | 82JON | 01 |
| **N (%)** | | | | | |
| 5.62 | 0.11 | | CB | 80SCH | 02 |
| 6. | 0.4 | 35 | TCGS | 79GLA | 04 |
| **Na (%)** | | | | | |
| 1.13 | 0.02 | | ITNA | 80SLO | 01 |
| 1.28 | 0.1 | | ITNA | 82SCH | 05 |
| 1.31 | 0.07 | | ITNA | 77NAD | 02 |
| 1.33 | 0.05 | | ITNA | 79KOB | 03 |
| 1.43 | | | ITNA | 83GLA | 01 |
| 1.44 | | | ITNA | 78CAP | 01 |
| 1.48 | | 35 | ITNA | 81GLA | 04 |
| 1.54 | 0.14 | | ITNA | 79REN | 03 |
| 1.55 | | 1 | AA | 78SZY | 01 |
| 1.56 | | 1 | AA | 78SZY | 01 |
| **Ni (ppm)** | | | | | |
| 1.3 | 0.1 | * | DCP | 79REE | 01 |
| 2.3 | 0.5 | * | RTNA | 80SLO | 01 |
| 4.1 | 0.5 | | ITNA | 77NAD | 02 |
| 4.9 | 0.2 | 11 | ICPES | 82JON | 01 |
| 5.1 | 0.1 | 11 | ICPES | 82JON | 01 |
| 5.12 | | | VOLT | 81PIH | 01 |
| 5.4 | 1. | 6 | EXRF | 79MAT | 01 |

TABLE G (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 5.4 | 0.1 | 11 | ICPES | 82JON | 01 |
| 5.4 | 0.1 | 11 | ICPES | 82JON | 01 |
| 5.51 | 0.32 | 6 | ICPES | 82KUE | 01 |
| 6.03 | 0.52 | 6 | ICPES | 82KUE | 01 |
| 6.1 | 0.2 | | PAA | 80YAM | 01 |
| 6.17 | 0.72 | 6 | ICPES | 82KUE | 01 |
| 6.5 | 0.2 | | RTNA | 78KOB | 01 |
| 6.5 | 0.3 | | RTNA | 79KOB | 01 |
| 7.5 | 0.5 | | RTNA | 77MEL | 01 |
| 8.1 | | | FAA | 82HOE | 01 |
| 8.1 | 0.2 | | ICPES | 79HER | 01 |
| **P (ppm)** | | | | | |
| 4500. | | * | ICPES | 78CAP | 01 |
| 5100. | | | FAA | 79EDI | 01 |
| 5200. | 200. | 11 | ICPES | 82JON | 01 |
| 5240. | 70. | 6 | ICPES | 82KUE | 01 |
| 5300. | 100. | 11 | ICPES | 82JON | 01 |
| 5300. | 70. | 6 | ICPES | 82KUE | 01 |
| 5350. | 45. | 6 | ICPES | 82KUE | 01 |
| 5360. | 270. | | ICPES | 81OWE | 01 |
| 5400. | | | ICPES | 79EDI | 01 |
| 5500. | 200. | 11 | ICPES | 82JON | 01 |
| 5600. | 400. | 7 | NM | 81SHI | 01 |
| 5700. | 200. | 11 | ICPES | 82JON | 01 |
| 6000. | 100. | | ICPES | 79HER | 01 |
| **Pb (ppm)** | | | | | |
| | 3.5 | L* | ICPES | 78CAP | 01 |
| | 3.8 | L* | ICPES | 82KUE | 01 |
| | 3.8 | L* | ICPES | 82KUE | 01 |
| | 3.8 | L* | ICPES | 82KUE | 01 |
| 0.8 | 0.3 | 11 | ICPES | 82JON | 01 |
| 0.8 | 0.1 | 11 | ICPES | 82JON | 01 |
| 1. | 0.1 | | FAA | 80LEG | 01 |
| 1. | 0.8 | | ICPES | 79HER | 01 |
| 1.02 | | | FAA | 82HOE | 01 |
| 1.03 | 0.15 | | ASV | 82GAJ | 01 |
| 1.04 | 0.09 | | ASV | 80SZY | 01 |
| 1.09 | 0.06 | | FAA | 79DAB | 02 |
| 1.1 | 0.2 | | FAA | 81KNA | 01 |
| 1.1 | 0.1 | | AA | 80SCH | 05 |
| 1.1 | 0.08 | | ASV | 82SAT | 02 |
| 1.1 | | 11 | FAA | 79HOE | 02 |
| 1.12 | 0.03 | | SSMS | 77PAU | 01 |
| 1.16 | 0.08 | | FAA | 82RAI | 01 |
| 1.2 | | | FAA | 80PRE | 01 |
| 1.25 | | | ASV | 78CAP | 01 |
| 1.3 | | 6 | FAA | 81HIN | 01 |
| 1.3 | 0.4 | | HAA | 82WEI | 01 |
| 1.3 | | | FAA | 82PRE | 01 |
| 1.3 | | 6 | FAA | 82KOI | 01 |
| 1.4 | | 6 | FAA | 81HIN | 01 |
| 1.4 | | 6 | FAA | 82KOI | 01 |
| 2. | 1.4 | * | PAA | 80YAM | 01 |
| **Pd (ppb)** | | | | | |
| | 2. | L* | RTNA | 81BYR | 01 |

TABLE G (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Pr (ppb) | | | | | |
| | 60. | L* | RTNA | 80SLO | 01 |
| Rb (ppm) | | | | | |
| 10. | | | ITNA | 78CAP | 01 |
| 11. | 1. | 35 | ITNA | 81GLA | 03 |
| 11.32 | 3.1 | | ITNA | 79REN | 03 |
| 11.6 | 0.3 | | ITNA | 77NAD | 02 |
| 17. | 3. | | RTNA | 77MEL | 01 |
| 39. | | * | EXRF | 81PAR | 01 |
| S (ppm) | | | | | |
| 2400. | 600. | | CPXRF | 79REN | 02 |
| Sb (ppb) | | | | | |
| 14. | 3. | *H | ICPES | 82HAH | 01 |
| 27. | 6. | | ITNA | 77NAD | 02 |
| 31. | 1. | | RTNA | 80KOS | 02 |
| 38. | 3. | | RTNA | 79HOE | 01 |
| 44. | 2. | | ITNA | 79KOB | 03 |
| 50. | | | ITNA | 78CAP | 01 |
| 50. | 20. | | RTNA | 80SLO | 01 |
| 690. | 150. | * | ITNA | 79REN | 03 |
| Sc (ppb) | | | | | |
| | 340. | L* | ITNA | 80TOU | 01 |
| 150. | 30. | 5 | ITNA | 80TOU | 01 |
| 160. | | | ITNA | 78CAP | 01 |
| 170. | | | ITNA | 80EDD | 01 |
| 170. | 20. | | RTNA | 80SLO | 01 |
| 170. | 4. | | ITNA | 77NAD | 02 |
| 180. | 10. | | ITNA | 79KOB | 03 |
| 180. | 20. | | RTNA | 77MEL | 01 |
| 470. | 40. | * | ITNA | 79REN | 03 |
| Se (ppb) | | | | | |
| | 100. | L* | HAA | 82JON | 01 |
| | 100. | L* | RTNA | 77MEL | 01 |
| | 3. | L* | ICPES | 82HAH | 01 |
| | 600. | L* | ITNA | 78CAP | 01 |
| | 100. | L* | HAA | 82JON | 01 |
| 24. | 10. | 9 | ITNA | 80WAN | 01 |
| 25. | | | FAA | 78CAP | 01 |
| 33. | 3. | 11 | GC | 81UCH | 02 |
| 33. | 3. | 11 | GC | 81UCH | 02 |
| 37. | | | FLUOR | 79WAT | 02 |
| 40. | 10. | | RTNA | 80KNA | 01 |
| 42.9 | | | HAA | 77IHN | 01 |
| 60. | 20. | | RTNA | 80SLO | 01 |
| 66. | 9. | | ITNA | 77NAD | 02 |
| 510. | 80. | * | RTNA | 82POL | 01 |
| Sm (ppb) | | | | | |
| | 12000. | L* | ITNA | 80TOU | 01 |
| 33. | 4. | 5 | ITNA | 80TOU | 01 |

TABLE G (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 80. | 20. | | RTNA | 80SLO | 01 |
| 200. | 140. | | ITNA | 79REN | 03 |
| Sn (ppb) | | | | | |
| | 20. | L* | ICPES | 82HAH | 01 |
| 3.1 | | | ICPES | 78CAP | 01 |
| Sr (ppm) | | | | | |
| 79. | 1. | | ICPES | 79HER | 01 |
| 82.5 | 15.8 | | AE+AF | 82GOL | 01 |
| 208. | | | EXRF | 81PAR | 01 |
| Ta (ppm) | | | | | |
| 0.23 | 0.08 | | ITNA | 79REN | 03 |
| Th (ppb) | | | | | |
| 110. | 10. | | ITNA | 77NAD | 02 |
| 150. | 40. | | RTNA | 80SLO | 01 |
| Ti (ppm) | | | | | |
| 16.5 | | | ICPES | 78CAP | 01 |
| Tl (ppb) | | | | | |
| 31. | 5. | | SSMS | 77PAU | 01 |
| U (ppb) | | | | | |
| 42. | | | DNA | 83GLA | 01 |
| 45. | 0.8 | 35 | DNA | 80GLA | 04 |
| 69. | 120. | R* | DNA | 81GLA | 03 |
| V (ppm) | | | | | |
| 1.06 | 0.17 | | ITNA | 77NAD | 02 |
| 1.08 | 0.07 | D* | DCP | 81REE | 01 |
| 1.08 | 0.07 | | DCP | 79REE | 01 |
| 1.13 | 0.01 | | RTNA | 78BYR | 01 |
| 1.2 | 0.06 | | ITNA | 76GAL | 01 |
| 1.28 | 0.07 | 11 | ICPES | 82JON | 01 |
| 1.34 | 0.06 | 11 | ICPES | 82JON | 01 |
| 1.7 | | * | ITNA | 78CAP | 01 |
| W (ppb) | | | | | |
| 140. | 50. | | RTNA | 80SLO | 01 |
| Yb (ppb) | | | | | |
| 2. | 1. | | RTNA | 80SLO | 01 |
| Zn (ppm) | | | | | |
| 42. | 2. | | RTNA | 80SLO | 01 |
| 45.9 | 2.8 | | RTNA | 77DER | 01 |
| 46. | 2. | 11 | ICPES | 82JON | 01 |
| 46. | 1. | 11 | ICPES | 82JON | 01 |

TABLE G (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 46.2 | 0.6 | 11 | ICPES | 82JON | 01 |
| 46.7 | | 11 | AA | 79HOE | 02 |
| 47. | 0.48 | | ITNA | 79REN | 03 |
| 48. | 2. | 11 | ICPES | 82JON | 01 |
| 48. | | | ICPES | 78CAP | 01 |
| 48. | 1. | 11 | ICPES | 82JON | 01 |
| 48. | 3. | | ICPES | 80SCH | 05 |
| 48. | 3. | 11 | ICPES | 82JON | 01 |
| 48. | | | ITNA | 78CAP | 01 |
| 49.2 | 0.1 | | PAA | 80YAM | 01 |
| 49.5 | 0.7 | | SSMS | 77PAU | 01 |
| 49.8 | 1.3 | 6 | ICPES | 82KUE | 01 |
| 50. | 1. | | ITNA | 77NAD | 02 |
| 50.6 | 1.3 | 6 | ICPES | 82KUE | 01 |
| 50.8 | | | AA | 80EVA | 01 |
| 51.2 | 0.6 | 6 | ICPES | 82KUE | 01 |
| 52. | 1. | D* | DCP | 81REE | 01 |
| 52. | 1. | | DCP | 79REE | 01 |
| 52. | 2.2 | | ITNA | 79KOB | 03 |
| 52.9 | 2.2 | 6 | EXRF | 79MAT | 01 |
| 53. | 3. | 11 | ICPES | 82JON | 01 |
| 53. | | 11 | AA | 79HOE | 02 |
| 54. | 1. | | ICPES | 79HER | 01 |
| 57. | 8. | | RTNA | 77MEL | 01 |
| 59.7 | | | FAA | 78CAP | 01 |
| 60.1 | 2. | 6 | EXRF | 79MAT | 01 |
| 72.5 | 1.6 | * | RTNA | 76GAL | 01 |
| 72.8 | 1.3 | * | AA | 76GAL | 01 |
| 119. | | * | EXRF | 81PAR | 01 |

TABLE H

NBS SRM 1571—COLLECTED DATA

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Ag (ppb) | | | | | |
| | 20. | L* | ITNA | 74RAN | 02 |
| | 100. | | OES | 75BOL | 02 |
| 13. | 5. | | RTNA | 80SLO | 01 |
| 620. | 60. | | RTNA | 74CAR | 03 |
| Al (ppm) | | | | | |
| 99. | | | OES | 75JON | 02 |
| 103. | 22. | 6 | ITNA | 74HOF | 01 |
| 110. | 140. | R* | AA | 75MAN | 01 |
| 128. | | | OES | 75JON | 11 |
| 140. | 8. | | ICPES | 81BLA | 02 |
| 146. | 20. | | ICPES | 79ABE | 01 |
| 157. | | | ICPES | 78CAP | 01 |
| 165. | | | OES | 75JON | 07 |
| 196. | | | OES | 75JON | 06 |
| 201. | | | OES | 75JON | 01 |
| 223. | | | OES | 75JON | 09 |
| 231. | | | OES | 75JON | 04 |
| 243. | | | OES | 75JON | 08 |
| 255. | | | OES | 75JON | 05 |
| 278. | | | OES | 75JON | 10 |
| 296. | 30. | | ITNA | 77ZIK | 01 |
| 322. | 22. | | 14NAA | 81WIL | 01 |
| 322. | 18. | 11 | ICPES | 82JON | 01 |
| 330. | | | NAA | 77LAU | 01 |
| 333. | | | ITNA | 76BAT | 01 |
| 343. | 460. | R* | ITNA | 79IMA | 03 |
| 343. | 460. | R* | ITNA | 79IMA | 01 |
| 347. | 7.5 | | POL | 72MAI | 01 |
| 347. | 7.5 | | POL | 77MAI | 01 |
| 349.7 | 6.1 | | ITNA | 77GOO | 01 |
| 350. | | | ITNA | 78LAU | 02 |
| 359. | 4. | | IENA | 79JON | 01 |
| 377. | 21. | | ICPES | 79MCQ | 01 |
| 378. | 13. | | ITNA | 75RIC | 01 |
| 380. | | | ITNA | 83GLA | 01 |
| 380. | 100. | | 14NAA | 81WIL | 02 |
| 383. | | | ITNA | 78CAP | 01 |
| 390. | 50. | | AA | 79MCQ | 01 |
| 398. | 24. | | ITNA | 82EHM | 01 |
| 407. | 11. | 6 | ITNA | 74HOF | 01 |
| 420. | 58. | | ITNA | 77HAM | 01 |
| 430. | 40. | | ITNA | 74RAN | 02 |
| 430. | | | CPAA | 80HAN | 01 |
| 440. | | | RTNA | 72MOR | 03 |
| 460. | 33. | | ITNA | 79KOB | 03 |
| 460. | 7. | | VV | 81NON | 01 |
| 470. | | 35 | ITNA | 81GLA | 03 |
| 500. | | | ITNA | 80CRE | 01 |
| 520. | 180. | | FAA | 77FUJ | 01 |
| 824. | 50. | * | ITNA | 80SLO | 01 |
| As (ppm) | | | | | |
| 1.1 | | * | ITNA | 78KEL | 02 |
| 3.5 | 1.6 | * | CPXRF | 80KIR | 01 |
| 7.5 | | * | SSMS | 81VER | 02 |
| 8. | 1. | | PAA | 80SEG | 01 |
| 8.5 | 0.3 | | HAA | 74LOO | 01 |

TABLE H (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 14.1 | | 6 | NAA | 78GAN | 01 |
| 14.3 | | * | XRF | 78CAM | 02 |
| 14.3 | 0.4 | * | EXRF | 77NIE | 01 |
| 15. | 0.1 | * | RTNA | 77BAN | 03 |
| 15.3 | 0.5 | * | EXRF | 73SPA | 01 |
| 15.3 | 2. | * | ITNA | 79AHM | 01 |
| 15.4 | 0.2 | *19 | ITNA | 74RAN | 02 |
| 16. | 2. | * | CPXRF | 77CAM | 01 |
| 16. | | * | AA | 79HIL | 01 |
| 17. | | * | CPXRF | 76ZEI | 01 |
| 17. | | * | CPAA | 78MCG | 01 |
| 38. | | * | EXRF | 81PAR | 01 |
| As(III) (ppm) | | | | | |
| 4.9 | | | HAA | 76AGG | 01 |
| Au (ppb) | | | | | |
| 0.78 | 0.15 | | ITNA | 79REN | 03 |
| 0.97 | 0.09 | | RTNA | 77NAD | 01 |
| 1. | | | RTNA | 72MOR | 03 |
| 1. | | | ITNA | 82QUR | 01 |
| 1.2 | | 1 | IENA | 79KUC | 01 |
| 1.4 | | | ITNA | 81KUL | 01 |
| 1.4 | 0.5 | | IENA | 81KOS | 01 |
| 1.5 | 4. | R* | RTNA | 80SLO | 01 |
| 1.5 | | | ITNA | 79KUC | 01 |
| 1.5 | 0.5 | | RTNA | 77KUS | 01 |
| 1.64 | 0.1 | | ITNA | 77MIN | 01 |
| 1.8 | 0.3 | | ITNA | 81HAB | 01 |
| 1.8 | | 1 | IENA | 79KUC | 01 |
| 2. | 0.8 | | ITNA | 81KOS | 01 |
| 3.5 | 0.6 | * | RTNA | 74CAR | 03 |
| B (ppm) | | | | | |
| 16. | 12. | * | ITNA | 82SCH | 05 |
| 22.55 | | *6 | AE+AF | 74DAU | 01 |
| 23. | | * | OES | 75JON | 10 |
| 24. | 2. | | ICPES | 79HER | 01 |
| 25.15 | | 6 | AE+AF | 74DAU | 01 |
| 27. | | | OES | 75JON | 05 |
| 27. | | | OES | 75JON | 02 |
| 30. | | | OES | 75JON | 01 |
| 31.2 | 2.8 | | NM | 79YAN | 01 |
| 31.9 | 4.7 | 14 | FAA | 79SZY | 01 |
| 32. | 4. | | ICPES | 79ABE | 01 |
| 32. | | | OES | 75JON | 04 |
| 32. | | | OES | 75JON | 09 |
| 32.2 | 0.4 | | TCGS | 79AND | 01 |
| 32.5 | 0.5 | | COLOR | 79YAN | 01 |
| 32.8 | 2.3 | 6 | TCGS | 76GLA | 01 |
| 33. | 4. | | CPAA | 80HAN | 01 |
| 33. | 2. | 11 | ICPES | 79MIZ | 01 |
| 33. | | | OES | 75JON | 06 |
| 33. | | | OES | 75JON | 07 |
| 33.2 | 0.1 | | TCGS | 79FAI | 01 |
| 33.3 | 2.3 | 6 | TCGS | 76GLA | 01 |
| 33.4 | 0.7 | | ICPES | 81KNA | 01 |
| 34. | 1. | 11 | ICPES | 79MIZ | 01 |
| 35.1 | 9.9 | 14 | FAA | 79SZY | 01 |
| 36. | | | CPAA | 81SAS | 02 |

TABLE H (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 36. | | | OES | 75JON | 03 |
| 36. | 3. | | CPAA | 81SAS | 01 |
| 36. | 5. | | CPAA | 75MCG | 01 |
| 38. | | | OES | 75JON | 08 |
| 38. | | | OES | 75JON | 11 |
| 40. | 1. | 11 | ICPES | 79MIZ | 01 |
| Ba (ppm) | | | | | |
| | 230. | L* | ITNA | 80TOU | 01 |
| | 240. | L* | 14NAA | 81WIL | 01 |
| 0.3 | 0.1 | * | CPXRF | 77RIN | 01 |
| 14.7 | | * | SSMS | 81VER | 02 |
| 25.9 | 6.8 | * | ITNA | 81HAB | 01 |
| 28. | | * | ITNA | 80CRE | 01 |
| 30. | | | NAA | 74BEL | 01 |
| 37. | 11. | 5 | ITNA | 80TOU | 01 |
| 37.9 | | 1 | IENA | 79KUC | 01 |
| 38. | 4.7 | | CPXRF | 80KIR | 01 |
| 38. | | | OES | 75JON | 05 |
| 39.4 | | | ITNA | 79KUC | 01 |
| 40. | | | NAA | 77LAU | 01 |
| 40. | 3. | 9 | ITNA | 78LAU | 02 |
| 40. | | | OES | 75JON | 03 |
| 41. | 4. | | ITNA | 79SAT | 01 |
| 41. | 1.3 | | RTNA | 77GUI | 03 |
| 42. | 2. | | ICPES | 79MCQ | 01 |
| 42. | 6. | | ITNA | 78LAU | 02 |
| 42. | 2. | | ICPES | 79MCQ | 02 |
| 43. | 5.7 | | ITNA | 77HAM | 01 |
| 43. | | | OES | 75JON | 11 |
| 43.9 | | 1 | IENA | 79KUC | 01 |
| 44. | 57. | R* | AA | 75MAN | 01 |
| 44.3 | | | AA | 74BUS | 02 |
| 44.8 | 2.5 | | IENA | 81KOS | 01 |
| 45. | | | ITNA | 78CAP | 01 |
| 45. | | | OES | 75JON | 04 |
| 45. | 6. | | VV | 81NON | 01 |
| 45.3 | 2.7 | | ITNA | 81KOS | 01 |
| 46. | 6. | | ITNA | 74RAN | 02 |
| 47. | 3. | | ITNA | 81KUL | 01 |
| 51. | | | RTNA | 72MOR | 03 |
| 51.3 | 4.5 | | PAA | 74CHA | 01 |
| 51.9 | | | ICPES | 78DAH | 01 |
| 52. | | | OES | 75JON | 01 |
| 59.54 | 1.81 | * | ITNA | 79REN | 03 |
| 62. | 21. | * | ITNA | 77ZIK | 01 |
| 80. | 22. | * | 14NAA | 81WIL | 02 |
| Be (ppb) | | | | | |
| | 60. | L* | ICPES | 78CAP | 01 |
| 13.7 | 1.8 | 6 | ICPES | 82SCH | 01 |
| 14.8 | 1.6 | 6 | ICPES | 82SCH | 01 |
| 26. | 1. | | FLUOR | 77WIC | 01 |
| 30. | 4. | | VV | 74FLO | 01 |
| 36. | 4. | 11 | FAA | 75OWE | 01 |
| 67. | 7. | *11 | FAA | 75OWE | 01 |
| 110. | 10. | * | GC | 73BLA | 01 |

TABLE H (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 8.66 | 1.25 | | ITNA | 79REN | 03 |
| 8.7 | 0.2 | | RTNA | 73HEY | 01 |
| 8.8 | 0.4 | | ICPES | 80HAA | 01 |
| 8.9 | 2.2 | | ICPES | 81NAD | 01 |
| 9. | | | RTNA | 75ABU | 01 |
| 9. | 0.4 | H | ICPES | 79ROB | 01 |
| 9.1 | | 1 | IENA | 79KUC | 01 |
| 9.2 | | | ITNA | 79KUC | 01 |
| 9.27 | | | HAA | 77IHN | 01 |
| 9.3 | | 35 | HAA | 77TAM | 01 |
| 9.4 | 1. | | HAA | 76VIJ | 02 |
| 9.5 | | | HAA | 81INU | 01 |
| 9.5 | 0.76 | | RTNA | 79HEI | 04 |
| 9.5 | 0.5 | | RTNA | 80SLO | 01 |
| 9.5 | 0.3 | 11 | HAA | 81RAP | 01 |
| 9.5 | 0.8 | | RTNA | 79ROS | 02 |
| 9.6 | | | FAA | 82HEI | 01 |
| 9.6 | 0.3 | 11 | HAA | 81RAP | 01 |
| 9.68 | 0.14 | | NAA | 74HEY | 01 |
| 9.7 | 0.4 | 7 | RTNA | 77GIL | 03 |
| 9.7 | 0.12 | | RTNA | 72BYR | 01 |
| 9.7 | 0.3 | | RTNA | 79KAN | 02 |
| 9.7 | 0.4 | | ITNA | 75RIC | 01 |
| 9.7 | 0.4 | | RTNA | 78GAL | 01 |
| 9.76 | 0.17 | | RTNA | 79HOE | 01 |
| 9.8 | 0.9 | | ESCA | 78CAR | 01 |
| 9.8 | 0.1 | | HAA | 81KNA | 01 |
| 9.8 | 0.3 | | RTNA | 82COR | 01 |
| 9.8 | 0.9 | | COLOR | 76VIJ | 02 |
| 9.8 | 0.1 | 11 | HAA | 81RAP | 01 |
| 9.8 | 0.4 | H | ICPES | 81PIC | 01 |
| 9.9 | 0.1 | | IENA | 78WAN | 01 |
| 9.98 | 0.31 | | HAA | 80TAM | 01 |
| 10. | | | RTNA | 72MOR | 03 |
| 10. | 14. | R* | ITNA | 79IMA | 03 |
| 10. | | | HAA | 79PEA | 01 |
| 10. | 0.1 | | VV | 81NON | 01 |
| 10. | | | RTNA | 79BYR | 01 |
| 10. | 2. | | ITNA | 77MIN | 01 |
| 10. | 14. | R* | ITNA | 79IMA | 01 |
| 10. | 1. | | EXRF | 80DYC | 01 |
| 10. | 0.4 | | RTNA | 78GIL | 01 |
| 10. | 2. | | COLOR | 79MCQ | 01 |
| 10.1 | 0.4 | | IENA | 81KOS | 01 |
| 10.1 | 0.3 | 7 | RTNA | 77GIL | 03 |
| 10.1 | 0.2 | 19 | ITNA | 74RAN | 02 |
| 10.1 | | | ITNA | 80CRE | 01 |
| 10.1 | 0.8 | | EXRF | 79GIA | 01 |
| 10.1 | 0.3 | | RTNA | 78WEE | 01 |
| 10.14 | | | ASV | 78DAV | 01 |
| 10.2 | 1. | | PAA | 74CHA | 01 |
| 10.2 | 1. | | NAA | 77JER | 01 |
| 10.2 | | | HAA | 80HON | 01 |
| 10.2 | 0.2 | | HAA | 77SMI | 01 |
| 10.2 | 0.2 | | COLOR | 77BUR | 01 |
| 10.2 | | 35 | XRF | 77TAM | 01 |
| 10.3 | 0.9 | | ITNA | 81KOS | 01 |
| 10.3 | | | HAA | 81ARA | 01 |
| 10.3 | 0.2 | | HAA | 80AGE | 02 |
| 10.3 | 0.4 | 7 | RTNA | 77GIL | 03 |
| 10.3 | 0.2 | 34 | HAA | 78FLA | 01 |
| 10.3 | 1.6 | | RTNA | 79REN | 01 |

TABLE H (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 10.4 | 0.4 | | ITNA | 78LAU | 02 |
| 10.43 | 0.22 | | HAA | 81UTH | 01 |
| 10.5 | | 1 | IENA | 79KUC | 01 |
| 10.5 | 1. | | PAA | 76KAT | 04 |
| 10.5 | | | ITNA | 82AKA | 01 |
| 10.6 | | | ASV | 81LEE | 01 |
| 10.6 | 0.8 | | RTNA | 74ORV | 01 |
| 10.6 | 0.3 | | 14NAA | 81WIL | 01 |
| 10.6 | 0.8 | | EXRF | 73GIA | 01 |
| 10.6 | 0.5 | | 14NAA | 81WIL | 02 |
| 10.7 | 0.4 | | FAA | 78HAY | 01 |
| 10.7 | 1. | 6 | ITNA | 74BEC | 01 |
| 10.8 | | | HAA | 81BRO | 01 |
| 10.8 | | | IENA | 83GLA | 01 |
| 10.8 | | | FAA | 78CAP | 01 |
| 10.8 | 0.5 | | IENA | 82GLA | 02 |
| 10.8 | 0.9 | | RTNA | 76MEL | 01 |
| 10.8 | | 6 | NAA | 78GAN | 01 |
| 10.82 | 0.25 | | HAA | 77YAS | 02 |
| 11. | | | ICPES | 79MCQ | 02 |
| 11. | 2. | | RTNA | 77KUS | 01 |
| 11. | 1. | | PAA | 76KAT | 02 |
| 11. | 3. | | ITNA | 77ZIK | 01 |
| 11. | | | ICPES | 79MCQ | 01 |
| 11. | 0.6 | | PAA | 78HIS | 01 |
| 11. | 1. | | HAA | 76FIO | 01 |
| 11.5 | 0.5 | | HAA | 81YAN | 01 |
| 11.5 | 1.5 | | RTNA | 74GOE | 01 |
| 11.5 | 0.47 | | HAA | 81YAN | 01 |
| 11.5 | 0.3 | | GCMES | 75TAL | 01 |
| 11.6 | 0.27 | H | HAA | 76SIE | 01 |
| 11.6 | 1.8 | | RTNA | 79NIC | 01 |
| 11.6 | | | HAA | 77SIE | 01 |
| 11.6 | 1.3 | | ITNA | 74NAD | 02 |
| 11.8 | 0.8 | | SSMS | 77DON | 01 |
| 11.9 | 0.2 | | ITNA | 81HAB | 01 |
| 11.9 | | H | FAE | 79FEL | 01 |
| 11.9 | 0.1 | | FAA | 80DUP | 01 |
| 11.98 | 0.08 | H | ICPES | 81PAH | 01 |
| 12. | 0.6 | | AE+AF | 82MAT | 01 |
| 12. | 2.5 | | ITNA | 77HAM | 01 |
| 12. | 3. | | ITNA | 81KUL | 01 |
| 12. | 0.6 | 11 | HAA | 82JON | 01 |
| 12. | 2. | | HAA | 79STO | 01 |
| 12. | | | RTNA | 74ERD | 01 |
| 12. | 0.38 | | HAA | 82TAM | 01 |
| 12. | 2.6 | | EXRF | 75REU | 01 |
| 12. | 1. | | ITNA | 76KUC | 01 |
| 12.15 | 0.43 | | NAA | 76GUZ | 01 |
| 12.3 | 0.2 | | ITNA | 79KOB | 03 |
| 12.3 | 0.4 | | RTNA | 73TJI | 01 |
| 12.7 | 2. | | ITNA | 82QUR | 01 |
| 12.7 | 0.7 | | ITNA | 79JER | 01 |
| 12.9 | 0.4 | 11 | HAA | 82JON | 01 |
| 13. | 3. | | CPAA | 77ZIK | 01 |
| 13. | 0.1 | | ITNA | 75BOL | 01 |
| 13. | 1. | H | ICPES | 82HAH | 01 |
| 13.2 | | | CPXRF | 75CAM | 01 |
| 13.3 | 0.4 | | HAA | 76WAU | 01 |
| 13.4 | 0.93 | | COLOR | 73LEB | 01 |
| 13.5 | | | HAA | 76AGG | 01 |
| 14. | 1. | | ITNA | 78FUR | 01 |

TABLE H (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Bi (ppb) | | | | | |
| | 8. | L* | ICPES | 82HAH | 01 |
| 4. | 1. | H* | ICPES | 81PAH | 01 |
| 39. | | | FAA | 79INU | 01 |
| 110. | 20. | | POL | 77MAI | 01 |
| 110. | 20. | | POL | 72MAI | 01 |
| 110. | 100. | | POL | 74MAI | 01 |
| 64000. | | * | FAA | 82HEI | 01 |
| Br (ppm) | | | | | |
| | 19. | L* | ITNA | 80TOU | 01 |
| 5. | 5. | * | ITNA | 77ZIK | 01 |
| 6.3 | 2. | * | EXRF | 77FLO | 01 |
| 6.6 | 0.4 | *5 | IENA | 79GLA | 02 |
| 6.6 | 0.4 | * | EXRF | 73SPA | 01 |
| 7.1 | | | EXRF | 81BIS | 01 |
| 7.3 | 9.3 | R* | ITNA | 79IMA | 03 |
| 7.3 | 3.2 | | CPXRF | 80KIR | 01 |
| 7.3 | 9.3 | R* | ITNA | 79IMA | 01 |
| 7.4 | 0.2 | | ITNA | 75RIC | 01 |
| 7.8 | 0.3 | | EXRF | 80DYC | 01 |
| 8.2 | | | RTNA | 72MOR | 03 |
| 8.2 | 0.6 | | ITNA | 80SLO | 01 |
| 8.3 | 0.5 | 5 | ITNA | 80HOE | 01 |
| 8.48 | 0.07 | 5 | ITNA | 80HOE | 01 |
| 8.5 | 0.5 | 6 | ITNA | 74BEC | 01 |
| 8.7 | | | ITNA | 83GLA | 01 |
| 8.8 | 0.6 | 5 | IENA | 79GLA | 02 |
| 8.8 | 1.6 | | EXRF | 75REU | 01 |
| 9. | 0.5 | | EXRF | 79GIA | 01 |
| 9. | 0.5 | | ITNA | 78LAU | 02 |
| 9.1 | 0.5 | | ITNA | 78WEE | 01 |
| 9.19 | 1.39 | | ITNA | 79REN | 03 |
| 9.2 | 0.2 | | ITNA | 74RAN | 02 |
| 9.2 | | | ITNA | 80CRE | 01 |
| 9.3 | 0.6 | | EXRF | 73GIA | 01 |
| 9.3 | 1.4 | | RTNA | 78WEE | 01 |
| 9.4 | | | ITNA | 79KUC | 01 |
| 9.5 | 1. | | EXRF | 77NIE | 01 |
| 9.5 | 0.8 | | RTNA | 76MEL | 03 |
| 9.5 | | | XRF | 78CAM | 02 |
| 9.5 | | 1 | IENA | 79KUC | 01 |
| 9.5 | | 1 | IENA | 79KUC | 01 |
| 9.6 | 2.8 | | ITNA | 77HAM | 01 |
| 9.6 | 1.2 | 6 | NAA | 78GAN | 01 |
| 9.7 | 1.1 | | ITNA | 78GIL | 01 |
| 9.8 | 0.78 | | ITNA | 77STE | 02 |
| 9.8 | 0.8 | | RTNA | 79CRO | 01 |
| 9.9 | 0.2 | | IENA | 81KOS | 01 |
| 10. | 1. | | ITNA | 76KUC | 01 |
| 10. | 2.1 | | VV | 81NON | 01 |
| 10.1 | 0.8 | | ITNA | 77GUI | 02 |
| 10.2 | 1. | | ITNA | 81KUL | 01 |
| 10.5 | 1.4 | | ITNA | 79CRO | 01 |
| 10.5 | 0.6 | | ITNA | 81KOS | 01 |
| 10.8 | 0.9 | 6 | NAA | 78GAN | 01 |
| 10.8 | 0.4 | 35 | NAA | 81GLA | 03 |
| 10.9 | | | ITNA | 80SAT | 01 |
| 11. | 1.2 | | ITNA | 79KOB | 03 |

TABLE H (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 11. | | | ITNA | 78CAP | 01 |
| 11. | 0.7 | 5 | ITNA | 80TOU | 01 |
| 12. | 1.3 | | ITNA | 79AHM | 01 |
| 12. | 3. | | ITNA | 77ZIK | 01 |
| 12.5 | | * | ITNA | 82AKA | 01 |
| 34. | | * | EXRF | 81PAR | 01 |
| C (%) | | | | | |
| 45.76 | 0.51 | | CB | 82GLA | 02 |
| 45.8 | 1.3 | 35 | CB | 79GLA | 04 |
| 46. | 2. | | TCGS | 79FAI | 01 |
| 46.35 | 0.31 | | CB | 80SCH | 02 |
| 47. | 5. | 35 | TCGS | 79GLA | 04 |
| 52. | 5. | * | TCGS | 79AND | 01 |
| Ca (%) | | | | | |
| | 3. | L* | 14NAA | 81WIL | 01 |
| 1.58 | | *35 | AA | 81GLA | 04 |
| 1.6 | 2.26 | R* | ITNA | 79IMA | 01 |
| 1.6 | 2.26 | R* | ITNA | 79IMA | 03 |
| 1.63 | | * | OES | 75JON | 07 |
| 1.74 | | * | OES | 75JON | 05 |
| 1.8 | | | NAA | 77LAU | 01 |
| 1.8 | | | OES | 75JON | 02 |
| 1.81 | 0.24 | 5 | ITNA | 80TOU | 01 |
| 1.81 | | | ITNA | 82AKA | 01 |
| 1.83 | 0.07 | | CPXRF | 80KIR | 01 |
| 1.86 | 0.1 | | 14NAA | 77VAN | 01 |
| 1.9 | 0.11 | | ITNA | 79REN | 03 |
| 1.91 | | | OES | 75JON | 10 |
| 1.92 | | | EXRF | 81BIS | 01 |
| 1.93 | 0.07 | | EXRF | 79KUE | 01 |
| 1.932 | 0.09 | | ITNA | 77ZIK | 01 |
| 1.94 | | | OES | 75JON | 04 |
| 1.96 | 0.06 | | FE | 78KOR | 01 |
| 1.96 | 0.002 | 11 | AA | 75ISA | 01 |
| 1.97 | 0.03 | 11 | ICPES | 82JON | 01 |
| 1.97 | 0.055 | | PAA | 76KAT | 04 |
| 1.97 | 0.15 | | 14NAA | 81WIL | 02 |
| 1.97 | 0.08 | | TCGS | 79AND | 01 |
| 1.97 | 0.05 | | PAA | 76KAT | 02 |
| 1.98 | 0.05 | | ICPES | 79MCQ | 02 |
| 1.98 | 0.04 | 11 | ICPES | 82JON | 01 |
| 1.98 | 0.08 | | EXRF | 75REU | 01 |
| 1.98 | 0.07 | | ICPES | 79MCQ | 01 |
| 1.99 | 0.06 | | EXRF | 77NIE | 01 |
| 1.99 | | | XRF | 78CAM | 02 |
| 2. | | | OES | 75ISA | 01 |
| 2. | 0.08 | | ITNA | 80SLO | 01 |
| 2.01 | 0.02 | | AA | 79MCQ | 01 |
| 2.01 | 0.18 | | RTNA | 80CAN | 01 |
| 2.02 | 0.11 | | EXRF | 82DAK | 01 |
| 2.02 | 0.002 | 11 | AA | 75ISA | 01 |
| 2.03 | | | ICPES | 78DAH | 01 |
| 2.03 | 0.04 | 11 | ICPES | 82JON | 01 |
| 2.03 | 0.02 | 11 | ICPES | 82JON | 01 |
| 2.039 | 0.06 | | CPAA | 77ZIK | 01 |
| 2.04 | | | OES | 75JON | 03 |
| 2.04 | | | AA | 80URE | 01 |
| 2.04 | 0.02 | 11 | AA | 78GAI | 01 |
| 2.06 | | | COLOR | 77HAM | 04 |

TABLE H (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 2.07 | 0.06 | | IENA | 79JON | 01 |
| 2.08 | 0.02 | 11 | AA | 78GAI | 01 |
| 2.08 | 0.01 | | PAA | 74CHA | 01 |
| 2.08 | 0.04 | | ITNA | 79KOB | 03 |
| 2.08 | 0.06 | | ICPES | 79ABE | 01 |
| 2.08 | | | OES | 75JON | 09 |
| 2.08 | | | OES | 75JON | 11 |
| 2.1 | | | RTNA | 72MOR | 03 |
| 2.1 | 0.2 | | 14NAA | 80FAA | 01 |
| 2.1 | 0.08 | 6 | EXRF | 79MAT | 01 |
| 2.1 | 0.05 | | ITNA | 81KOS | 01 |
| 2.1 | 0.2 | | ITNA | 78LAU | 02 |
| 2.11 | | | ICPES | 81WEI | 01 |
| 2.11 | | | AA | 79HIL | 01 |
| 2.11 | 0.08 | 6 | EXRF | 79MAT | 01 |
| 2.12 | 0.07 | | IENA | 81KOS | 01 |
| 2.13 | 0.09 | | ITNA | 75RIC | 01 |
| 2.13 | | | SSMS | 81VER | 02 |
| 2.13 | 0.11 | | TCGS | 79FAI | 01 |
| 2.13 | | | ITNA | 76BAT | 01 |
| 2.14 | 0.02 | | ITNA | 78FUR | 01 |
| 2.145 | 0.017 | | CPXRF | 81ROB | 02 |
| 2.15 | | | COLOR | 80LAU | 01 |
| 2.15 | | | ITNA | 78CAP | 01 |
| 2.17 | | | OES | 75JON | 08 |
| 2.17 | 0.03 | | EXRF | 80DYC | 01 |
| 2.2 | 0.1 | | ITNA | 81KUL | 01 |
| 2.2 | 0.02 | | ICPES | 79HER | 01 |
| 2.2 | 0.05 | | PAA | 78HIS | 01 |
| 2.21 | 0.15 | | ITNA | 77HAM | 01 |
| 2.28 | | | CPAA | 80HAN | 01 |
| 2.29 | 0.04 | | VV | 81NON | 01 |
| 2.29 | | | OES | 75JON | 06 |
| 2.41 | | * | OES | 75JON | 01 |
| 2.46 | 0.09 | *5 | ITNA | 80TOU | 01 |
| 2.63 | | * | ICPES | 78CAP | 01 |
| 5.01 | | * | EXRF | 81PAR | 01 |

Cd (ppb)

| | | | | | |
|---|---|---|---|---|---|
| | 300. | L* | AA | 73LOO | 03 |
| | 200. | L* | PAA | 80SEG | 01 |
| | 50000. | L* | RTNA | 72MOR | 03 |
| | 200. | L* | PAA | 78HIS | 01 |
| | 2500. | L* | ICPES | 78CAP | 01 |
| | 100. | L* | POL | 72SIN | 01 |
| | 1900. | L* | OES | 75BOL | 02 |
| | 100. | L* | POL | 72SIN | 01 |
| 70. | | | RTNA | 80SLO | 01 |
| 70. | | | FAA | 73LOO | 01 |
| 72. | 14. | | FAA | 81ZAU | 01 |
| 90. | 10. | | FAA | 80LEG | 01 |
| 90. | | | AA | 79HIL | 01 |
| 92. | 18. | | RTNA | 73TJI | 01 |
| 95. | | 11 | FAA | 79HOE | 02 |
| 100. | | | FAA | 80PRE | 01 |
| 100. | 40. | | HAA | 82WEI | 01 |
| 100. | | | AA | 73LOO | 01 |
| 100. | | | AA | 79NAR | 01 |
| 100. | 4. | | ASV | 82SAT | 02 |
| 100. | 10. | | POL | 74MAI | 01 |
| 105. | 5. | | FAA | 79STO | 01 |
| 105. | | | FAA | 82HOE | 01 |

TABLE H (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 106. | 9. | | FAA | 74RAI | 02 |
| 108. | 8. | | AE+AF | 74RAI | 02 |
| 109. | 2. | | FAA | 79DAB | 02 |
| 110. | 10. | | FAA | 81KNA | 01 |
| 110. | 10. | | NAA | 77JER | 01 |
| 110. | | | FAA | 82PRE | 01 |
| 110. | 6. | | AA | 80SCH | 05 |
| 110. | | | FAA | 82AKA | 01 |
| 110. | | | RTNA | 79BYR | 01 |
| 110. | 10. | | AA | 82RIT | 01 |
| 110. | 10. | | PAA | 74CHA | 01 |
| 110. | 10. | | AA | 75EPS | 01 |
| 110. | 10. | | AA | 78RIT | 01 |
| 110. | 10. | | AF | 75EPS | 01 |
| 116. | 8. | | RTNA | 78GAL | 01 |
| 116. | 10. | | FAA | 83GLA | 01 |
| 116. | 13. | | RTNA | 80GRE | 01 |
| 120. | 10. | | IENA | 81KOS | 01 |
| 120. | | 11 | FAA | 79HOE | 02 |
| 120. | 80. | 11 | ICPES | 82JON | 01 |
| 120. | 14. | | NAA | 76GUZ | 01 |
| 120. | 20. | 11 | FAA | 78SMI | 01 |
| 120. | | | RTNA | 74ROO | 01 |
| 120. | 20. | 11 | FAA | 78SMI | 01 |
| 120. | 10. | | RTNA | 740RV | 01 |
| 130. | 20. | | ITNA | 81KOS | 01 |
| 130. | | | FAA | 82HEI | 01 |
| 130. | 5. | 7 | AA | 73TAL | 01 |
| 130. | 5. | | FAA | 74TAL | 01 |
| 130. | 7. | 7 | AA | 73TAL | 01 |
| 130. | 7. | | FAA | 74TAL | 01 |
| 140. | 40. | | FAA | 82WEI | 01 |
| 150. | 50. | | AA | 80AGE | 01 |
| 150. | 50. | | AA | 76GAL | 01 |
| 150. | 60. | | TCGS | 79AND | 01 |
| 160. | 16. | | FAA | 76URE | 01 |
| 160. | 10. | | ICPES | 79HER | 01 |
| 160. | 50. | | RTNA | 80VAL | 01 |
| 160. | 70. | 11 | ICPES | 82JON | 01 |
| 170. | | | AF | 78URE | 02 |
| 170. | 70. | 11 | ICPES | 82JON | 01 |
| 180. | | 16 | AA | 79ABO | 01 |
| 200. | 100. | *11 | ICPES | 82JON | 01 |
| 200. | 80. | * | RTNA | 76GAL | 01 |
| 230. | 20. | * | FAA | 73SEG | 01 |
| 230. | 60. | * | ITNA | 74RAN | 02 |
| 580. | | *16 | AA | 79ABO | 01 |
| 660. | 340. | * | AA | 79MON | 01 |
| 2000. | | * | AE+AF | 79ULL | 01 |

Ce (ppm)

| | | | | | |
|---|---|---|---|---|---|
| | 2. | L* | 14NAA | 81WIL | 01 |
| | 2. | L* | 14NAA | 81WIL | 02 |
| 0.75 | 0.067 | | ITNA | 77HAM | 01 |
| 0.84 | 0.04 | | ITNA | 81KOS | 01 |
| 0.9 | | D* | RTNA | 82LAU | 01 |
| 0.9 | | | RTNA | 77LAU | 02 |
| 0.91 | 0.06 | | RTNA | 80SLO | 01 |
| 0.92 | 0.14 | | ITNA | 77NAD | 02 |
| 0.97 | | | ITNA | 79KUC | 01 |
| 0.98 | 0.07 | | VV | 81NON | 01 |

TABLE H (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 0.98 | 0.05 | | ITNA | 78LAU | 02 |
| 1. | | | NAA | 77LAU | 01 |
| 1. | | | RTNA | 72MOR | 03 |
| 1.1 | | | SSMS | 78URE | 01 |
| 1.2 | 0.2 | * | ITNA | 81KUL | 01 |
| **Cl (ppm)** | | | | | |
| | 1400. | L* | 14NAA | 81WIL | 01 |
| 53. | | * | SSMS | 81VER | 02 |
| 400. | 770. | R* | ITNA | 79IMA | 03 |
| 400. | 770. | R* | ITNA | 79IMA | 01 |
| 510. | | *35 | ITNA | 81GLA | 03 |
| 580. | 27. | * | FAA | 78TSU | 01 |
| 630. | 24. | | AA | 78TSU | 01 |
| 632. | 80. | | ITNA | 77ZIK | 01 |
| 638. | 27. | | ISE | 81NAD | 01 |
| 675. | | | ITNA | 78CAP | 01 |
| 685. | 32. | | PAA | 74CHA | 01 |
| 690. | | | NAA | 76GUZ | 01 |
| 700. | 60. | 35 | ITNA | 81GLA | 04 |
| 706. | 26. | | ITNA | 78FUR | 01 |
| 717. | 193. | | PAA | 76KAT | 04 |
| 719.5 | | | ITNA | 82AKA | 01 |
| 720. | 15. | | VV | 81NON | 01 |
| 720. | 140. | | PAA | 76KAT | 02 |
| 730. | 60. | | ITNA | 80SLO | 01 |
| 730. | 30. | | TCGS | 79FAI | 01 |
| 730. | 26. | | NAA | 78GAN | 01 |
| 732. | 29. | | ITNA | 77GUI | 02 |
| 732. | 29. | | NAA | 76MIL | 02 |
| 739. | | | ITNA | 76BAT | 01 |
| 740. | 58. | | ITNA | 77HAM | 01 |
| 740. | 30. | | TCGS | 79AND | 01 |
| 750. | 35. | | ITNA | 77STE | 02 |
| 750. | | | ITNA | 74RAN | 02 |
| 750. | 19. | | ITNA | 75RIC | 01 |
| 755. | | | ITNA | 80CRE | 01 |
| 760. | | | ITNA | 83GLA | 01 |
| 770. | | | XRF | 78CAM | 02 |
| 770. | 150. | | CPXRF | 79REN | 02 |
| 770. | 240. | | EXRF | 77NIE | 01 |
| 790. | | | RTNA | 72MOR | 03 |
| 800. | 40. | | IENA | 79JON | 01 |
| 810. | 150. | | EXRF | 80DYC | 01 |
| 950. | 70. | * | 14NAA | 81WIL | 02 |
| **Co (ppb)** | | | | | |
| | 1300. | L* | ITNA | 80TOU | 01 |
| | 6000. | L* | EXRF | 79GIA | 01 |
| | 8000. | L* | 14NAA | 81WIL | 01 |
| | 8000. | L* | 14NAA | 81WIL | 02 |
| 100. | | | RTNA | 72MOR | 03 |
| 110. | 20. | 6 | NAA | 78GAN | 01 |
| 112. | 17. | | NAA | 76GUZ | 01 |
| 120. | 50. | | AA | 76GAL | 01 |
| 130. | | | NAA | 77LAU | 01 |
| 130. | | | ITNA | 79KUC | 01 |
| 130. | | | ITNA | 78CAP | 01 |
| 130. | 10. | | RTNA | 74GOE | 01 |
| 130. | | | ITNA | 80CRE | 01 |
| 130. | 10. | | ITNA | 78LAU | 02 |

TABLE H (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 130. | 20. | | RTNA | 77KUS | 01 |
| 130. | 20. | 6 | ITNA | 74BEC | 01 |
| 138. | 10. | | ITNA | 74RAN | 02 |
| 140. | 30. | 6 | NAA | 78GAN | 01 |
| 140. | | | NAA | 74BEL | 01 |
| 140. | 10. | | ITNA | 78GIL | 01 |
| 142. | 7. | | FAA | 75HAG | 01 |
| 145. | | | ITNA | 82AKA | 01 |
| 150. | | | ITNA | 80SAT | 01 |
| 150. | | 1 | IENA | 79KUC | 01 |
| 150. | 20. | 11 | FAA | 80FUD | 01 |
| 150. | 30. | | ITNA | 76KUC | 01 |
| 160. | 20. | | RTNA | 80SLO | 01 |
| 160. | 10. | | ITNA | 82COR | 01 |
| 170. | 10. | | ITNA | 79SAT | 01 |
| 170. | 10. | | ITNA | 79KOB | 03 |
| 180. | 30. | | ITNA | 81KUL | 01 |
| 180. | 20. | | RTNA | 77MEL | 01 |
| 180. | 28. | | ITNA | 77HAM | 01 |
| 190. | 40. | | VV | 81NON | 01 |
| 190. | 5. | 11 | FAA | 80FUD | 01 |
| 210. | 20. | 6 | ITNA | 74BEC | 01 |
| 210. | 20. | | ITNA | 81KOS | 01 |
| 220. | 40. | | ITNA | 78FUR | 01 |
| 220. | 30. | | ITNA | 82QUR | 01 |
| 230. | 50. | | IENA | 81KOS | 01 |
| 230. | 30. | | ITNA | 79AHM | 01 |
| 260. | 120. | 5 | ITNA | 80TOU | 01 |
| 297. | 26. | * | COLOR | 82KIR | 01 |
| 300. | 40. | * | ITNA | 76GAL | 01 |
| 300. | | * | FAA | 82HOE | 01 |
| 420. | 470. | R* | ITNA | 75RIC | 01 |
| 460. | 100. | * | ITNA | 79REN | 03 |
| 290. | 100. | * | ITNA | 77ZIK | 01 |
| **Cr (ppm)** | | | | | |
| | 5. | L* | EXRF | 79GIA | 01 |
| | 2. | L* | 14NAA | 81WIL | 01 |
| | 2. | L* | 14NAA | 81WIL | 02 |
| 1.07 | 0.13 | 6* | NAA | 78GAN | 01 |
| 1.5 | | * | AA | 73LOO | 03 |
| 1.97 | 0.44 | | NAA | 76GUZ | 01 |
| 2. | 0.13 | | GC-AA | 76WOL | 01 |
| 2. | | | ICPES | 79MCQ | 01 |
| 2. | 0.2 | 6 | ITNA | 74BEC | 01 |
| 2. | | | ICPES | 79MCQ | 02 |
| 2. | | | NAA | 74BEL | 01 |
| 2. | | | AA | 79MCQ | 01 |
| 2.05 | | 11 | AA | 79HOE | 02 |
| 2.2 | 0.4 | | VV | 81NON | 01 |
| 2.2 | 1. | | CPXRF | 80KIR | 01 |
| 2.2 | 2.9 | R* | AA | 75MAN | 01 |
| 2.2 | 0.3 | | RTNA | 77MEL | 01 |
| 2.22 | 0.2 | | PAA | 74CHA | 01 |
| 2.23 | | 6 | NAA | 78GAN | 01 |
| 2.25 | | 11 | AA | 79HOE | 02 |
| 2.37 | 0.07 | | SSMS | 72MAG | 01 |
| 2.4 | 0.36 | | ITNA | 77HAM | 01 |
| 2.4 | 0.1 | 11 | ICPES | 82JON | 01 |
| 2.4 | 0.6 | | ICPES | 81BLA | 02 |
| 2.4 | | | RTNA | 75ABU | 01 |
| 2.4 | | | ITNA | 79KUC | 01 |

TABLE H (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 2.4 | 0.3 | | ITNA | 78LAU | 02 |
| 2.4 | 0.1 | | RTNA | 76MEL | 03 |
| 2.4 | 0.1 | | CHEML | 74LI | 01 |
| 2.4 | 0.1 | 9 | ITNA | 78LAU | 02 |
| 2.46 | 0.025 | | RTNA | 74MCC | 01 |
| 2.463 | 0.02 | 11 | RTNA | 78MCC | 01 |
| 2.47 | 0.14 | | FAA | 75CAR | 02 |
| 2.495 | 0.014 | 11 | RTNA | 78MCC | 01 |
| 2.5 | 1.6 | | EXRF | 73GIA | 01 |
| 2.5 | 0.4 | | ITNA | 76KUC | 01 |
| 2.5 | | | RTNA | 72MOR | 03 |
| 2.574 | 0.01 | | ITNA | 78MCC | 01 |
| 2.58 | 0.04 | | ITNA | 81KOS | 01 |
| 2.59 | 0.15 | 7 | FAA | 80CHA | 01 |
| 2.6 | 0.3 | 11 | ICPES | 82JON | 01 |
| 2.6 | 0.1 | 35 | FAA | 81GLA | 03 |
| 2.6 | 0.4 | | ITNA | 78FUR | 01 |
| 2.6 | 0.1 | | ITNA | 79KOB | 03 |
| 2.6 | 0.2 | | NM | 80SHI | 01 |
| 2.6 | 0.2 | 6 | ITNA | 74BEC | 01 |
| 2.6 | | 11 | AA | 79HOE | 02 |
| 2.65 | 0.16 | 7 | FAA | 80CHA | 01 |
| 2.67 | 0.15 | | RTNA | 78GAL | 01 |
| 2.7 | 0.2 | D* | DCP | 81REE | 01 |
| 2.7 | | | FAA | 82HOE | 01 |
| 2.7 | | | AA | 81ARA | 01 |
| 2.7 | 0.2 | | DCP | 79REE | 01 |
| 2.7 | 0.17 | | AA | 80AGE | 01 |
| 2.7 | 0.3 | | ITNA | 82COR | 01 |
| 2.7 | | | ITNA | 78CAP | 01 |
| 2.7 | 0.2 | | ITNA | 79SAT | 01 |
| 2.8 | 0.2 | | ICPES | 81KNA | 01 |
| 2.8 | 0.2 | | ITNA | 82QUR | 01 |
| 2.8 | | | NAA | 77LAU | 01 |
| 2.8 | | | SSMS | 81VER | 02 |
| 2.8 | 0.4 | | ITNA | 74RAN | 02 |
| 2.8 | 0.2 | | ITNA | 75RIC | 01 |
| 2.8 | 0.2 | | ITNA | 79AHM | 01 |
| 2.8 | 0.6 | | FAA | 74WOL | 01 |
| 2.82 | | 7 | FAA | 80CHA | 01 |
| 2.9 | 0.3 | | RTNA | 74GOE | 01 |
| 2.9 | 0.4 | | EXRF | 80DYC | 01 |
| 2.9 | | | RTNA | 78GOE | 01 |
| 3. | 1. | | ITNA | 77ZIK | 01 |
| 3. | 0.2 | | AA | 76GAL | 01 |
| 3.14 | 0.4 | | ITNA | 81HAB | 01 |
| 3.2 | 0.3 | | RTNA | 76GAL | 01 |
| 3.2 | 0.3 | | ITNA | 81KUL | 01 |
| 3.3 | | * | ITNA | 80CRE | 01 |
| 3.4 | 0.5 | * | ITNA | 76GAL | 01 |
| 3.67 | 0.01 | * | ICPES | 79HER | 01 |
| 5.5 | 2.2 | * | PAA | 80YAM | 01 |
| 5.81 | 0.84 | * | ITNA | 79REN | 03 |
| **Cs (ppb)** | | | | | |
| | 60. | L* | RTNA | 72MOR | 03 |
| | 100. | L* | ITNA | 82GLA | 02 |
| | 300. | L* | 14NAA | 81WIL | 02 |
| 20. | | | NAA | 77LAU | 01 |
| 24. | 3. | 9 | ITNA | 78LAU | 02 |
| 28. | 5. | | ITNA | 81KUL | 01 |

TABLE H (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 28. | 5. | | ITNA | 78LAU | 02 |
| 29. | 2. | | ITNA | 74RAN | 02 |
| 37. | 2. | | ITNA | 83GLA | 01 |
| 37.4 | 11. | | NAA | 76GUZ | 01 |
| 38. | 7. | 6 | ITNA | 74BEC | 01 |
| 40. | 10. | | ITNA | 79SAT | 01 |
| 40. | 9. | | VV | 81NON | 01 |
| 42. | | | ITNA | 80CRE | 01 |
| 42. | 1. | | IENA | 81KOS | 01 |
| 48. | 4. | | ITNA | 81KOS | 01 |
| 80. | 10. | * | RTNA | 77MEL | 01 |
| 150. | 60. | * | ITNA | 79REN | 03 |
| **Cu (ppm)** | | | | | |
| 3.6 | 1.3 | *6 | ITNA | 74HOF | 01 |
| 8. | | * | EXRF | 82KEE | 01 |
| 8.1 | 2. | * | EXRF | 77FLO | 01 |
| 8.4 | 0.8 | | ITNA | 78FUR | 01 |
| 8.9 | 1.7 | | FAA | 77FUJ | 01 |
| 9.4 | | | EXRF | 81BIS | 01 |
| 9.6 | 1.7 | | EXRF | 73SPA | 01 |
| 9.76 | 0.61 | 9 | ITNA | 77GAN | 03 |
| 9.8 | 0.6 | 6 | NAA | 78GAN | 01 |
| 9.8 | 0.6 | 6 | NAA | 78GAN | 01 |
| 10. | | | RTNA | 72MOR | 03 |
| 10. | 1. | | XRF | 78LIN | 01 |
| 10. | 2. | | CPXRF | 77CAM | 01 |
| 10. | 0.7 | | AA | 78LIN | 01 |
| 10.3 | 0.5 | | FAA | 82JEN | 02 |
| 10.3 | | | AA | 76KRI | 03 |
| 10.3 | 0.6 | | AA | 76GAL | 01 |
| 10.4 | 13.3 | R* | ITNA | 79IMA | 03 |
| 10.4 | 2.4 | | EXRF | 75REU | 01 |
| 10.4 | 13.3 | R* | ITNA | 79IMA | 01 |
| 10.5 | 1. | | RTNA | 80SLO | 01 |
| 10.8 | | 6 | NAA | 72SIN | 01 |
| 11. | | | ICPES | 81WEI | 01 |
| 11. | | | AE+AF | 79ULL | 01 |
| 11. | | | OES | 75JON | 10 |
| 11. | | 1 | AA | 77FRY | 01 |
| 11. | 1. | | ICPES | 79MCQ | 02 |
| 11. | 1. | | RTNA | 77KUS | 01 |
| 11. | 15. | R* | AA | 75MAN | 01 |
| 11. | 1.5 | | AA | 79MON | 01 |
| 11. | 1. | | FAA | 79KRA | 01 |
| 11.1 | 1. | | RTNA | 82COR | 01 |
| 11.2 | | | VV | 81NON | 01 |
| 11.2 | 0.18 | | AA | 80AGE | 01 |
| 11.2 | 1.3 | | ITNA | 74RAN | 02 |
| 11.2 | 1. | 6 | POL | 72SIN | 01 |
| 11.3 | | 16 | AA | 79ABO | 01 |
| 11.4 | | | ICPES | 78CAP | 01 |
| 11.43 | 0.2 | | RTNA | 74RAV | 01 |
| 11.5 | 0.6 | | FAA | 83GLA | 01 |
| 11.5 | 1. | | EXRF | 79GIA | 01 |
| 11.5 | 1. | | POL | 74MAI | 01 |
| 11.5 | 0.5 | | RTNA | 73TJI | 01 |
| 11.6 | 0.4 | | ICPES | 81BLA | 02 |
| 11.6 | 0.2 | | AA | 75ABU | 01 |
| 11.6 | 0.4 | | RTNA | 78GAL | 01 |
| 11.6 | | | FAA | 78CAP | 01 |

TABLE H (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 11.7 | 1.7 | | CPXRF | 81ROB | 02 |
| 11.7 | 0.2 | 11 | ICPES | 82JON | 01 |
| 11.8 | 0.7 | | ITNA | 79KOB | 03 |
| 11.8 | 0.3 | | RTNA | 78GIL | 01 |
| 11.8 | | | RTNA | 79BYR | 01 |
| 11.9 | 1.4 | | FAA | 82GRO | 01 |
| 11.9 | 1.6 | | ASV | 79BRI | 02 |
| 12. | | | CPXRF | 76ZEI | 01 |
| 12. | | | AA | 79HIL | 01 |
| 12. | | | AA | 81ARA | 01 |
| 12. | 0.4 | 11 | ICPES | 82JON | 01 |
| 12. | 1. | | AA | 77YAN | 01 |
| 12. | | | AA | 76FUK | 01 |
| 12. | 2. | | FAA | 77LOR | 01 |
| 12. | 1. | | ICPES | 79MCQ | 01 |
| 12. | 1.4 | | EXRF | 77NIE | 01 |
| 12. | 0.8 | 11 | ICPES | 82JON | 01 |
| 12. | | | XRF | 78CAM | 02 |
| 12. | 0.5 | | AA | 73TAL | 01 |
| 12. | 1. | | AA | 79MCQ | 01 |
| 12. | 0.2 | 11 | ICPES | 82JON | 01 |
| 12. | | | OES | 75JON | 02 |
| 12. | | | CPAA | 78MCG | 01 |
| 12. | | | AA | 73LOO | 03 |
| 12. | 1. | | AA | 78RIT | 01 |
| 12. | 1. | | RTNA | 74GOE | 01 |
| 12. | 2. | | RTNA | 74CAR | 03 |
| 12. | | | FAA | 73SEG | 01 |
| 12.1 | 0.2 | | ICPES | 81KNA | 01 |
| 12.1 | 0.9 | | ITNA | 79SAT | 01 |
| 12.1 | | 16 | AA | 79ABO | 01 |
| 12.1 | 1.3 | | PAA | 76WIL | 01 |
| 12.2 | 1.1 | | ICPES | 79ABE | 01 |
| 12.3 | 1.4 | | VV | 80SCH | 05 |
| 12.3 | 0.9 | | RTNA | 76MEL | 03 |
| 12.4 | 1.6 | | RTNA | 80VAL | 01 |
| 12.5 | | 11 | AA | 79HOE | 02 |
| 12.5 | 0.8 | | VV | 79STO | 01 |
| 12.5 | 0.7 | | FAA | 74WOL | 01 |
| 12.6 | 0.6 | | EXRF | 73GIA | 01 |
| 12.62 | 0.85 | | NAA | 76GUZ | 01 |
| 12.7 | | 6 | POL | 72SIN | 01 |
| 12.9 | | 6 | AA | 72SIN | 01 |
| 13. | | | ICPES | 78DAH | 01 |
| 13. | | 11 | AA | 79HOE | 02 |
| 13. | 1. | 35 | RTNA | 77GLA | 01 |
| 13. | 0.47 | 11 | AA | 75ISA | 01 |
| 13. | 4.2 | | CPXRF | 80KIR | 01 |
| 13. | | | OES | 75JON | 07 |
| 13. | | 1 | AA | 77FRY | 01 |
| 13.1 | 0.6 | | AA | 73THO | 01 |
| 13.2 | 0.5 | | SSMS | 72MAG | 01 |
| 13.3 | 0.1 | | ICPES | 79HER | 01 |
| 13.5 | 1.5 | | ITNA | 82QUR | 01 |
| 13.5 | 1.5 | | ITNA | 79AHM | 01 |
| 13.7 | 1.3 | 6 | EXRF | 79MAT | 01 |
| 13.8 | 1.4 | | XRF | 74REU | 01 |
| 14. | 2. | | ITNA | 77ZIK | 01 |
| 14. | 4.5 | 6 | ITNA | 74HOF | 01 |
| 14. | 1. | | EXRF | 80DYC | 01 |
| 14. | 0.13 | 11 | AA | 75ISA | 01 |
| 14. | | | OES | 75JON | 11 |
| 14. | | | OES | 75JON | 04 |

TABLE H (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 14. | | | OES | 75JON | 03 |
| 14.5 | 4.7 | | ITNA | 77HAM | 01 |
| 14.5 | 1. | | FAA | 82KRI | 01 |
| 15. | | | OES | 75ISA | 01 |
| 15. | | | OES | 75JON | 05 |
| 15.5 | | | SSMS | 81VER | 02 |
| 15.5 | | | ITNA | 82AKA | 01 |
| 16. | | | OES | 75JON | 01 |
| 16. | | | OES | 75JON | 09 |
| 17. | | * | OES | 75JON | 06 |
| 18.1 | | * | CPXRF | 75CAM | 01 |
| 18.3 | 6.9 | * | XRF | 77SMI | 04 |
| 19. | | * | ITNA | 78KEL | 02 |
| 20. | | * | OES | 75JON | 08 |
| 21. | 11. | * | CPAA | 77ZIK | 01 |
| 27. | | * | OES | 75BOL | 02 |
| 30. | | * | XRF | 80SUZ | 02 |
| 35. | | * | EXRF | 81PAR | 01 |
| **Dy (ppb)** | | | | | |
| | 100. | L* | NAA | 77LAU | 01 |
| 53. | 8. | | ITNA | 77NAD | 02 |
| 110. | | | SSMS | 78URE | 01 |
| **Er (ppb)** | | | | | |
| | 100. | | RTNA | 77LAU | 02 |
| | 100. | D* | RTNA | 82LAU | 01 |
| 30. | | | SSMS | 78URE | 01 |
| **Eu (ppb)** | | | | | |
| | 50. | L* | ITNA | 78CAP | 01 |
| 20. | | | SSMS | 78URE | 01 |
| 20. | | | ITNA | 80CRE | 01 |
| 20. | 2. | | ITNA | 78LAU | 02 |
| 21. | | | RTNA | 77LAU | 02 |
| 21. | | D* | RTNA | 82LAU | 01 |
| 21. | 1. | | ITNA | 74RAN | 02 |
| 22. | 8. | | RTNA | 80SLO | 01 |
| 22. | 3. | | ITNA | 79KOB | 03 |
| 24. | 4. | | ITNA | 77NAD | 02 |
| 26. | 1. | | IENA | 81KOS | 01 |
| 26. | | | NAA | 77LAU | 01 |
| 27. | 3. | | ITNA | 81KOS | 01 |
| 27. | 6. | | ITNA | 81KUL | 01 |
| 28. | 6.3 | | ITNA | 77HAM | 01 |
| 31. | 4. | * | ITNA | 74BEC | 01 |
| 120. | 20. | * | RTNA | 77KUS | 01 |
| 300. | | * | RTNA | 72MOR | 03 |
| **F (ppm)** | | | | | |
| | 60. | L* | 14NAA | 81WIL | 02 |
| | 240. | L* | 14NAA | 81WIL | 01 |
| 3.12 | | | COLOR | 79DAB | 01 |
| 3.6 | | | AA | 77TSU | 01 |
| 3.69 | | | COLOR | 79DAB | 01 |
| 3.8 | 0.32 | | ISE | 79DAB | 01 |
| 3.88 | | | ISE | 79DAB | 01 |
| 4. | 0.3 | | ISE | 82GLA | 02 |
| 4.2 | 0.4 | | ISE | 83GLA | 01 |

TABLE H (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 4.4 | 0.3 | | ISE | 83KNA | 01 |
| 4.8 | 1. | | MS | 77STE | 02 |
| 10. | | * | CPAA | 80HAN | 01 |
| Fe (ppm) | | | | | |
| 121. | | * | CPAA | 78MCG | 01 |
| 121. | | * | CPXRF | 76ZEI | 01 |
| 145. | 4. | *11 | AA | 78GAI | 01 |
| 151. | | * | OES | 75JON | 09 |
| 174. | | * | OES | 75JON | 06 |
| 190. | | * | OES | 75JON | 11 |
| 190. | | * | OES | 75JON | 02 |
| 205. | 37. | * | ITNA | 81HAB | 01 |
| 213. | | | OES | 75JON | 03 |
| 220. | 6. | 11 | AA | 78GAI | 01 |
| 225. | 58. | | XRF | 77SMI | 04 |
| 229. | 22. | | XRF | 78LIN | 01 |
| 229. | | | OES | 75JON | 08 |
| 232. | | | OES | 75JON | 04 |
| 235. | | | ICPES | 78CAP | 01 |
| 235. | | | AA | 76FUK | 01 |
| 237. | 13. | | CHEML | 72SEI | 01 |
| 238. | | | AA | 76KRI | 03 |
| 239. | | | OES | 75ISA | 01 |
| 240. | 330. | R* | AA | 75MAN | 01 |
| 245. | 35. | | ICPES | 79ABE | 01 |
| 246. | | | FAA | 78CAP | 01 |
| 250. | | | AA | 73LOO | 03 |
| 250. | 42.5 | 11 | AA | 75ISA | 01 |
| 250. | 30. | | RTNA | 74CAR | 03 |
| 253. | | | ITNA | 80SAT | 01 |
| 254. | 9. | | EXRF | 80DYC | 01 |
| 255. | 5. | 11 | COLOR | 82SCH | 03 |
| 256. | 11. | 11 | ICPES | 82JON | 01 |
| 256. | 1. | | AA | 78LIN | 01 |
| 259. | | | ITNA | 78CAP | 01 |
| 260. | 20. | | ITNA | 78GIL | 01 |
| 261. | | | SSMS | 81VER | 02 |
| 261. | 39.1 | 11 | AA | 75ISA | 01 |
| 262. | 5. | | ICPES | 79HER | 01 |
| 267. | | | ICPES | 78DAH | 01 |
| 267. | 2.9 | | CPXRF | 81ROB | 02 |
| 267. | 6. | | ICPES | 79MCQ | 02 |
| 270. | | | ITNA | 80CRE | 01 |
| 270. | 50. | 35 | ITNA | 81GLA | 03 |
| 270. | | | OES | 75BOL | 02 |
| 271. | 7. | | RTNA | 77MEL | 01 |
| 271. | 6. | 11 | COLOR | 82SCH | 03 |
| 272. | 16. | | AA | 73THO | 01 |
| 273. | 6. | | ICPES | 79MCQ | 01 |
| 274. | 19. | | EXRF | 79GIA | 01 |
| 276. | 8. | | EXRF | 73GIA | 01 |
| 276. | | | OES | 75JON | 05 |
| 278. | 11. | | AA | 79MCQ | 01 |
| 279. | 79. | | RTNA | 77KUS | 01 |
| 280. | 10. | | ITNA | 78LAU | 02 |
| 280. | | | NAA | 77LAU | 01 |
| 280. | 26. | | ITNA | 77HAM | 01 |
| 282. | | | COLOR | 72SEI | 01 |
| 282. | 21. | | 14NAA | 81WIL | 02 |
| 283. | 23. | | ITNA | 75RIC | 01 |

TABLE H (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 283. | 3. | 11 | ICPES | 82JON | 01 |
| 285. | 5. | | RTNA | 80SLO | 01 |
| 285. | 9. | 11 | COLOR | 82SCH | 03 |
| 285. | 5. | | ITNA | 79DAS | 01 |
| 287. | | | AA | 79HIL | 01 |
| 288. | 20. | | ICPES | 80SCH | 05 |
| 290. | 35. | | IENA | 81KOS | 01 |
| 290. | 6. | 11 | ICPES | 82JON | 01 |
| 290. | 30. | | CPAA | 77ZIK | 01 |
| 290. | | | RTNA | 72MOR | 03 |
| 290. | 12. | | PAA | 74CHA | 01 |
| 290. | 25. | 6 | NAA | 78GAN | 01 |
| 290. | 30. | | ITNA | 81KOS | 01 |
| 290. | | | FAA | 73SEG | 01 |
| 290. | 30. | | ITNA | 81KUL | 01 |
| 291. | 24. | | VV | 81NON | 01 |
| 293. | 14. | | EXRF | 77FLO | 01 |
| 293. | | 11 | AA | 79HOE | 02 |
| 293. | 18. | | EXRF | 79KUE | 01 |
| 294. | | | OES | 75JON | 10 |
| 295. | | 11 | AA | 79HOE | 02 |
| 295.7 | 20.1 | | ITNA | 82COR | 01 |
| 296. | 12. | | ICPES | 81BLA | 02 |
| 296. | 8. | | ITNA | 82QUR | 01 |
| 296. | 8. | | ITNA | 79AHM | 01 |
| 297. | | | AA | 81ARA | 01 |
| 297. | 10. | | FAA | 82JEN | 02 |
| 299. | 1. | | ITNA | 79KOB | 03 |
| 300. | 50. | | 14NAA | 80FAA | 01 |
| 300. | 14. | | COLOR | 82MOR | 01 |
| 300. | | | EXRF | 81BIS | 01 |
| 300. | 40. | | ITNA | 76KUC | 01 |
| 300. | 17. | 11 | ICPES | 82JON | 01 |
| 300. | | | NAA | 74BEL | 01 |
| 300. | 45. | | ITNA | 74RAN | 02 |
| 301. | 2.5 | | EXRF | 73SPA | 01 |
| 303. | 32. | | ITNA | 79SAT | 01 |
| 304. | 30. | | ITNA | 78FUR | 01 |
| 306. | | | ITNA | 79KUC | 01 |
| 306. | 6. | | EXRF | 77NIE | 01 |
| 310. | 54. | | FAA | 77FUJ | 01 |
| 310. | | | XRF | 78CAM | 02 |
| 311.1 | 10.4 | | NAA | 76GUZ | 01 |
| 312. | 11.4 | | POL | 72MAI | 01 |
| 312. | 11.4 | | POL | 77MAI | 01 |
| 312. | 11. | | POL | 74MAI | 01 |
| 313. | | | ICPES | 81WEI | 01 |
| 314. | 40. | | EXRF | 75REU | 01 |
| 315. | 25. | | RTNA | 74GOE | 01 |
| 316. | | | OES | 75JON | 01 |
| 317. | 25. | | ICPES | 81KNA | 01 |
| 318.4 | 26.9 | 6 | ITNA | 74BEC | 01 |
| 319. | 32. | | XRF | 74REU | 01 |
| 320. | 25. | 6 | NAA | 78GAN | 01 |
| 326. | | | EXRF | 82KEE | 01 |
| 326. | 30. | | ITNA | 77ZIK | 01 |
| 331.5 | 118. | | PAA | 76KAT | 04 |
| 332. | 84. | | PAA | 76KAT | 02 |
| 335. | 14. | 6 | EXRF | 79MAT | 01 |
| 338. | 16. | 6 | EXRF | 79MAT | 01 |
| 343. | 6. | | SSMS | 72MAG | 01 |
| 348. | 10. | | 14NAA | 81WIL | 01 |

TABLE H (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 367. | | * | OES | 75JON | 07 |
| 370. | 45. | * | CPXRF | 77CAM | 01 |
| 422. | | * | CPXRF | 75CAM | 01 |
| 450. | 70. | * | ITNA | 79REN | 03 |
| 500. | | * | AE+AF | 79ULL | 01 |
| 884. | | * | EXRF | 81PAR | 01 |
| Ga (ppb) | | | | | |
| | 500. | L* | EXRF | 79GIA | 01 |
| | 160. | L* | IENA | 78WAN | 01 |
| 78. | 25. | | NAA | 76GUZ | 01 |
| 86. | | | RTNA | 72MOR | 03 |
| 89.3 | 3.6 | | RTNA | 80STU | 01 |
| 100. | 10. | | RTNA | 77KUS | 01 |
| Gd (ppb) | | | | | |
| 1.64 | 0.24 | | ITNA | 77NAD | 02 |
| 100. | | D* | RTNA | 82LAU | 01 |
| 100. | | | RTNA | 77LAU | 02 |
| 100. | | | SSMS | 78URE | 01 |
| Ge (ppb) | | | | | |
| | 400. | L* | EXRF | 79GIA | 01 |
| 150. | | H | ICPES | 82HAH | 01 |
| H (%) | | | | | |
| 5.54 | 0.08 | | TCGS | 79FAI | 01 |
| 5.6 | 0.1 | | TCGS | 79AND | 01 |
| 5.91 | 0.3 | | CB | 82GLA | 02 |
| 6.05 | 0.07 | | CB | 80SCH | 02 |
| 6.1 | 0.1 | 35 | TCGS | 79GLA | 04 |
| Hf (ppb) | | | | | |
| 13. | | | RTNA | 80SLO | 01 |
| 23. | | | NAA | 77LAU | 01 |
| 27. | | | ITNA | 80CRE | 01 |
| 31. | 4. | | ITNA | 78LAU | 02 |
| 37. | 5. | | ITNA | 74RAN | 02 |
| Hg (ppb) | | | | | |
| | 5000. | L* | 14NAA | 81WIL | 01 |
| | 1000. | L* | EXRF | 79GIA | 01 |
| 110. | 30. | * | RTNA | 77BAN | 03 |
| 120. | 10. | | RTNA | 74GOE | 01 |
| 120. | 20. | | RTNA | 80SLO | 01 |
| 122. | | 11 | CVAA | 79HOE | 02 |
| 125. | | | IDMS | 74RIC | 01 |
| 125. | | | AA | 74RIC | 01 |
| 130. | | | CVAA | 80NAD | 01 |
| 138. | 2. | 11 | CVAA | 77TAG | 01 |
| 140. | 20. | | IDMS | 72RAI | 01 |
| 140. | 10. | | PAA | 74CHA | 01 |
| 140. | 10. | | NAA | 77JER | 01 |
| 140. | 10. | | ITNA | 74FRI | 01 |
| 141. | 9. | | SSMS | 74ALV | 01 |
| 142. | 27. | | CVAA | 82DOO | 01 |

TABLE H (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 146. | 12. | | RTNA | 82LO | 01 |
| 146. | 6. | | FAE | 76CAV | 01 |
| 146. | | | UU | 74FEL | 01 |
| 146. | 17. | | NAA | 76GUZ | 01 |
| 148. | 10. | 7 | RTNA | 72HEI | 01 |
| 150. | 17. | | CVAA | 74FIT | 01 |
| 150. | | | CVAA | 81NAR | 01 |
| 150. | 5. | | FAA | 72LYO | 01 |
| 152. | 6. | | CVAA | 80TON | 01 |
| 152. | 5. | 2 | CVAA | 79KNE | 01 |
| 152. | 6. | | RTNA | 76MEL | 01 |
| 153. | 8. | | CVAA | 80KOR | 01 |
| 153. | 14. | | FAA | 75KOI | 01 |
| 154. | 16. | 5 | RTNA | 80GRE | 01 |
| 154. | 13. | | CVAA | 79DOG | 01 |
| 154. | 28. | | FAA | 74CHU | 03 |
| 154. | 13. | | FAA | 76DOG | 01 |
| 154. | 20. | | RTNA | 78GIL | 01 |
| 154. | 5. | | RTNA | 74ORV | 01 |
| 155. | 5.6 | | RTNA | 72ROO | 02 |
| 155. | 6. | 11 | CVAA | 77TAG | 01 |
| 155. | 15. | | RTNA | 73TJI | 01 |
| 155. | 6. | | RTNA | 72ROO | 01 |
| 155. | 13. | 5 | RTNA | 80GRE | 01 |
| 155. | 3. | | RTNA | 72RAI | 01 |
| 157. | 20. | | CVAA | 82GLA | 02 |
| 157. | 1. | | AF | 81EBD | 01 |
| 158. | 10. | | FAA | 77GLA | 03 |
| 158. | | | RTNA | 74RIC | 01 |
| 158. | 5. | | RTNA | 72LYO | 01 |
| 158. | | | ITNA | 80SAT | 01 |
| 159. | 21. | | CVAA | 78MAT | 01 |
| 160. | 70. | | ITNA | 81KUL | 01 |
| 160. | 20. | | FAA | 79STO | 01 |
| 160. | 20. | | CVAA | 82CHA | 01 |
| 160. | 12. | | FAA | 72ROO | 01 |
| 160. | 30. | | RTNA | 80VAL | 01 |
| 160. | 12. | | FAA | 74SIE | 02 |
| 160. | 6. | | CVAA | 72RAI | 01 |
| 160. | 40. | 6 | POT | 82JAG | 01 |
| 160. | | | RTNA | 79DES | 01 |
| 160. | 20. | | FAA | 82JEN | 02 |
| 161. | 13. | | RTNA | 75LIT | 01 |
| 162. | 10. | 7 | RTNA | 72HEI | 01 |
| 163. | 6. | 17 | CVAA | 77TAG | 01 |
| 163. | 12. | | RTNA | 82GRI | 01 |
| 165. | 5. | 35 | CVAA | 81GLA | 04 |
| 167. | | | ITNA | 74RIC | 01 |
| 168. | 10. | | ITNA | 82QUR | 01 |
| 168. | 10. | | ITNA | 79AHM | 01 |
| 175. | 5. | 17 | CVAA | 77TAG | 01 |
| 180. | 40. | 6 | POT | 82JAG | 01 |
| 180. | 10. | | ITNA | 78FUR | 01 |
| 180. | 20. | | ITNA | 74RAN | 02 |
| 180. | 30. | | RTNA | 77MEL | 01 |
| 190. | 30. | 6 | ITNA | 74BEC | 01 |
| 190. | 40. | | CVAA | 77AND | 01 |
| 190. | | | ITNA | 75RIC | 01 |
| 200. | 30. | * | ITNA | 81HAB | 01 |
| 200. | 30. | * | PAA | 80SEG | 01 |
| 200. | 80. | * | ITNA | 74GUI | 01 |
| 200. | 20. | * | ITNA | 81KOS | 01 |

TABLE H (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 203. | 11. | *17 | CVAA | 77TAG | 01 |
| 240. | | *17 | CVAA | 77TAG | 01 |
| 305. | 70. | * | ITNA | 75LIT | 01 |
| 190. | 10. | | NAA | 78GAN | 01 |
| 210. | 50. | * | ITNA | 77ZIK | 01 |
| **Ho (ppb)** | | | | | |
| 13. | | D* | RTNA | 82LAU | 01 |
| 13. | | | RTNA | 77LAU | 02 |
| 20. | | | SSMS | 78URE | 01 |
| **I (ppb)** | | | | | |
| | 1000. | L* | ITNA | 83GLA | 01 |
| 100. | 50. | | PAA | 77WIL | 01 |
| 100. | 50. | | PAA | 78HIS | 01 |
| 160. | 20. | | IENA | 82SAT | 01 |
| 167. | 10. | | RTNA | 77ROO | 01 |
| 173.2 | 4.4 | | RTNA | 80GVA | 01 |
| 183. | 6. | 17 | NAA | 79HEC | 01 |
| 188. | 26. | | NAA | 79BRA | 01 |
| 200. | 70. | | RTNA | 77STE | 02 |
| 220. | | 17 | NAA | 79HEC | 01 |
| **I-129 (fci)** | | | | | |
| 0.006 | 0.002 | | RTNA | 79BRA | 01 |
| **In (ppb)** | | | | | |
| 1.23 | 0.11 | | RTNA | 74RAV | 01 |
| 1.6 | 0.1 | | RTNA | 78KOB | 01 |
| 1.8 | 0.8 | | RTNA | 77KUS | 01 |
| **Ir (ppb)** | | | | | |
| 15. | 3. | | RTNA | 74CAR | 03 |
| **K (%)** | | | | | |
| 1.05 | 1.41 | R* | ITNA | 79IMA | 01 |
| 1.05 | 1.406 | R* | ITNA | 79IMA | 03 |
| 1.11 | | * | OES | 75JON | 05 |
| 1.19 | | * | OES | 75JON | 09 |
| 1.229 | 0.018 | * | CPXRF | 81ROB | 02 |
| 1.26 | | * | OES | 75JON | 03 |
| 1.28 | | | OES | 75JON | 11 |
| 1.3 | 0.2 | | 14NAA | 77SEG | 01 |
| 1.35 | | 1 | AA | 78SZY | 01 |
| 1.35 | | | OES | 75JON | 04 |
| 1.36 | 0.01 | 11 | AA | 78GAI | 01 |
| 1.37 | 0.14 | | IENA | 79JON | 01 |
| 1.37 | | | ITNA | 80CRE | 01 |
| 1.37 | 0.06 | | ITNA | 74RAN | 02 |
| 1.374 | | 1 | AA | 78SZY | 01 |
| 1.38 | 0.04 | | ITNA | 75RIC | 01 |
| 1.38 | | | OES | 75ISA | 01 |
| 1.39 | | | CPAA | 80HAN | 01 |
| 1.4 | 0.2 | 35 | ITNA | 81GLA | 04 |
| 1.4 | | | ITNA | 82AKA | 01 |
| 1.4 | 0.01 | 11 | AA | 78GAI | 01 |

TABLE H (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 1.4 | 0.06 | | ITNA | 78LAU | 02 |
| 1.4 | 0.098 | 6 | NAA | 78GAN | 01 |
| 1.4 | | | OES | 75JON | 02 |
| 1.41 | 0.03 | | TCGS | 79AND | 01 |
| 1.41 | | | OES | 75JON | 07 |
| 1.42 | 0.04 | | ITNA | 81KOS | 01 |
| 1.42 | | | EXRF | 81BIS | 01 |
| 1.42 | 0.09 | | ITNA | 76KUC | 01 |
| 1.42 | | | ITNA | 78CAP | 01 |
| 1.43 | 0.04 | | EXRF | 79KUE | 01 |
| 1.43 | 0.07 | 11 | ICPES | 82JON | 01 |
| 1.43 | 0.06 | | FE | 78KOR | 01 |
| 1.437 | 0.079 | | NAA | 76GUZ | 01 |
| 1.44 | | 11 | AA | 75ISA | 01 |
| 1.44 | 0.04 | | RTNA | 76MEL | 03 |
| 1.445 | 0.11 | | PAA | 76KAT | 04 |
| 1.45 | | | ITNA | 79KUC | 01 |
| 1.45 | | | ICPES | 79COO | 01 |
| 1.45 | | | OES | 75JON | 01 |
| 1.45 | 0.08 | | PAA | 76KAT | 02 |
| 1.45 | | 11 | AA | 75ISA | 01 |
| 1.46 | 0.14 | | 14NAA | 80FAA | 01 |
| 1.46 | 0.11 | | EXRF | 82DAK | 01 |
| 1.46 | 0.07 | | ITNA | 79AHM | 01 |
| 1.46 | 0.2 | | 14NAA | 81WIL | 02 |
| 1.47 | | | NAA | 77LAU | 01 |
| 1.47 | 0.1 | | ITNA | 79REN | 03 |
| 1.47 | 0.02 | 11 | ICPES | 82JON | 01 |
| 1.47 | 0.12 | | ITNA | 79KOB | 03 |
| 1.47 | 0.07 | 11 | ICPES | 82JON | 01 |
| 1.48 | | | AA | 79HIL | 01 |
| 1.48 | | | ICPES | 81WEI | 01 |
| 1.49 | 0.03 | | ITNA | 78GIL | 01 |
| 1.49 | | 1 | IENA | 79KUC | 01 |
| 1.49 | 0.194 | | ITNA | 77HAM | 01 |
| 1.49 | 0.04 | | TCGS | 79FAI | 01 |
| 1.496 | 0.043 | | ITNA | 78FUR | 01 |
| 1.5 | | | RTNA | 72MOR | 03 |
| 1.5 | | | ITNA | 76BAT | 01 |
| 1.5 | 0.08 | | VV | 81NON | 01 |
| 1.5 | | | ITNA | 78KEL | 02 |
| 1.51 | 0.06 | | CPXRF | 80KIR | 01 |
| 1.51 | 0.06 | | EXRF | 77NIE | 01 |
| 1.51 | | | XRF | 78CAM | 02 |
| 1.54 | | | OES | 75JON | 08 |
| 1.54 | 0.03 | | ITNA | 80SLO | 01 |
| 1.56 | 0.05 | 11 | ICPES | 82JON | 01 |
| 1.57 | 0.08 | | EXRF | 75REU | 01 |
| 1.57 | 0.25 | | 14NAA | 81WIL | 01 |
| 1.58 | 0.08 | 6 | NAA | 78GAN | 01 |
| 1.59 | | | OES | 75JON | 10 |
| 1.62 | | | OES | 75JON | 06 |
| 1.66 | 0.8 | *6 | EXRF | 79MAT | 01 |
| 1.7 | 0.07 | * | ICPES | 79HER | 01 |
| 1.74 | 0.04 | * | EXRF | 80DYC | 01 |
| 1.81 | 0.08 | 6* | EXRF | 79MAT | 01 |
| 3.89 | | * | EXRF | 81PAR | 01 |
| **La (ppm)** | | | | | |
| 0.7 | 0.1 | * | ITNA | 77ZIK | 01 |
| 0.8 | 0.05 | | RTNA | 80SLO | 01 |
| 0.89 | 1.25 | R* | ITNA | 79IMA | 03 |

TABLE H (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 0.89 | 1.25 | R* | ITNA | 79IMA | 01 |
| 0.95 | | | ITNA | 79KUC | 01 |
| 0.98 | | | ITNA | 80CRE | 01 |
| 0.99 | 0.08 | 6 | ITNA | 74BEC | 01 |
| 1. | | | NAA | 77LAU | 01 |
| 1. | | D* | RTNA | 82LAU | 01 |
| 1. | | | RTNA | 77LAU | 02 |
| 1. | | | NAA | 74BEL | 01 |
| 1.1 | 0.1 | | ITNA | 78LAU | 02 |
| 1.15 | 0.1 | | IENA | 81KOS | 01 |
| 1.18 | 0.09 | | ITNA | 81KOS | 01 |
| 1.2 | | | ITNA | 78CAP | 01 |
| 1.2 | 0.1 | | RTNA | 76MEL | 03 |
| 1.2 | | | RTNA | 72MOR | 03 |
| 1.2 | 0.165 | | ITNA | 77HAM | 01 |
| 1.2 | | | SSMS | 78URE | 01 |
| 1.2 | 0.1 | | ITNA | 81KUL | 01 |
| 1.22 | 0.02 | | VV | 81NON | 01 |
| 1.24 | 0.08 | | ITNA | 79REN | 03 |
| 1.3 | 0.1 | | ITNA | 74RAN | 02 |
| 1.7 | 0.6 | * | RTNA | 77KUS | 01 |
| 1.96 | 0.02 | * | ITNA | 77NAD | 02 |
| **Li (ppb)** | | | | | |
| | 900. | L* | CPAA | 81SAS | 01 |
| 510. | 660. | R* | AA | 75MAN | 01 |
| 570. | 70. | | AA | 83GLA | 01 |
| 770. | 30. | | ITNA | 77HEY | 01 |
| 800. | 200. | | CPAA | 80HAN | 01 |
| 13700. | 1500. | * | NT | 74CAR | 02 |
| **Lu (ppb)** | | | | | |
| | 20. | L* | NAA | 77LAU | 01 |
| | 10. | L* | ITNA | 78LAU | 02 |
| 0.61 | 0.09 | | ITNA | 77NAD | 02 |
| 0.9 | 0.1 | | ITNA | 81KOS | 01 |
| 3.3 | | D* | RTNA | 82LAU | 01 |
| 3.3 | | | RTNA | 77LAU | 02 |
| 6. | | | RTNA | 80SLO | 01 |
| 10. | | | SSMS | 78URE | 01 |
| **Mg (ppm)** | | | | | |
| 4000. | 6250. | R* | ITNA | 79IMA | 01 |
| 4000. | 6250. | R* | ITNA | 79IMA | 03 |
| 4900. | | * | ICPES | 78CAP | 01 |
| 5140. | 190. | * | VV | 81NON | 01 |
| 5300. | | * | FAA | 78CAP | 01 |
| 5400. | | | NAA | 77LAU | 01 |
| 5500. | 300. | | ICPES | 79ABE | 01 |
| 5500. | | | AA | 80URE | 01 |
| 5500. | 300. | | IENA | 79JON | 01 |
| 5600. | 100. | | AA | 79MCQ | 01 |
| 5700. | | | OES | 75JON | 05 |
| 5700. | 60. | | ICPES | 79MCQ | 02 |
| 5700. | 80. | | ICPES | 79MCQ | 01 |
| 5800. | 100. | 11 | AA | 78GAI | 01 |
| 5800. | 730. | | ITNA | 77HAM | 01 |
| 5900. | 1. | 11 | AA | 75ISA | 01 |
| 5980. | 70. | 11 | ICPES | 82JON | 01 |

TABLE H (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 6000. | | | RTNA | 72MOR | 03 |
| 6000. | 500. | | CPXRF | 80KIR | 01 |
| 6000. | 500. | | ITNA | 78LAU | 02 |
| 6000. | 100. | 11 | AA | 78GAI | 01 |
| 6000. | 200. | 11 | ICPES | 82JON | 01 |
| 6000. | 500. | | 14NAA | 80FAA | 01 |
| 6000. | 2. | 11 | AA | 75ISA | 01 |
| 6000. | | | OES | 75JON | 09 |
| 6000. | | | OES | 75JON | 07 |
| 6100. | 400. | | ITNA | 80SLO | 01 |
| 6100. | | | AA | 79HIL | 01 |
| 6100. | 200. | 11 | ICPES | 82JON | 01 |
| 6100. | 100. | | PAA | 74CHA | 01 |
| 6100. | 1100. | | 14NAA | 81WIL | 02 |
| 6100. | 200. | | PAA | 78HIS | 01 |
| 6100. | | | OES | 75JON | 10 |
| 6150. | | | ICPES | 78DAH | 01 |
| 6150. | 100. | | PAA | 76KAT | 04 |
| 6150. | 70. | | PAA | 76KAT | 02 |
| 6173.8 | 179. | | NAA | 76GUZ | 01 |
| 6174. | 173. | | ITNA | 75PIE | 01 |
| 6200. | 100. | 11 | ICPES | 82JON | 01 |
| 6200. | | | OES | 75JON | 08 |
| 6200. | | | OES | 75JON | 02 |
| 6258. | 315. | | ITNA | 77ZIK | 01 |
| 6300. | 700. | | TCGS | 79FAI | 01 |
| 6300. | | | ITNA | 78CAP | 01 |
| 6300. | 130. | | ITNA | 78FUR | 01 |
| 6400. | | | ICPES | 81WEI | 01 |
| 6400. | | | OES | 75ISA | 01 |
| 6500. | | | OES | 75JON | 06 |
| 6500. | 100. | | COLOR | 74SLE | 01 |
| 6550. | 480. | | ITNA | 79KOB | 03 |
| 6600. | | | OES | 75JON | 11 |
| 6700. | | | CPAA | 80HAN | 01 |
| 6700. | 100. | | ICPES | 79HER | 01 |
| 6800. | 1000. | | 14NAA | 77SEG | 01 |
| 6800. | | | OES | 75JON | 03 |
| 6800. | | | OES | 75JON | 04 |
| 7000. | | | ITNA | 76BAT | 01 |
| 7030. | 170. | * | 14NAA | 81WIL | 01 |
| 7100. | | * | OES | 75JON | 01 |
| 7830. | | * | ITNA | 75RIC | 01 |
| **Mn (ppm)** | | | | | |
| 23.1 | 4.4 | 6* | ITNA | 74HOF | 01 |
| 32. | 16. | * | EXRF | 77FLO | 01 |
| 52. | | * | OES | 75JON | 07 |
| 65. | 90. | R* | ITNA | 79IMA | 01 |
| 65. | 90. | R* | ITNA | 79IMA | 03 |
| 68.2 | 8.2 | * | XRF | 77SMI | 04 |
| 72. | | * | OES | 75JON | 06 |
| 72. | 1. | *11 | AA | 78GAI | 01 |
| 73.5 | | * | ITNA | 82AKA | 01 |
| 77. | | | SSMS | 81VER | 02 |
| 79. | 3. | | RTNA | 76MEL | 03 |
| 80. | | | ICPES | 78CAP | 01 |
| 80. | | | AA | 73LOO | 03 |
| 80. | 3. | | XRF | 78LIN | 01 |
| 80. | | | OES | 75ISA | 01 |
| 80. | | | OES | 75JON | 11 |

TABLE H (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 80.6 | 2.9 | | CPXRF | 81ROB | 02 |
| 80.7 | 3.3 | | ITNA | 81HAB | 01 |
| 81. | 4. | | RTNA | 77KUS | 01 |
| 81.3 | | | FAA | 78CAP | 01 |
| 82. | 7. | | EXRF | 79KUE | 01 |
| 82. | | | EXRF | 82KEE | 01 |
| 82. | 99. | R* | AA | 75MAN | 01 |
| 82. | 3. | | IENA | 79JON | 01 |
| 82. | 4.2 | | AA | 78LIN | 01 |
| 83.3 | | | ICPES | 78DAH | 01 |
| 83.4 | | | FAA | 77SHE | 02 |
| 84. | 1. | 11 | ICPES | 82JON | 01 |
| 84. | | | NAA | 77LAU | 01 |
| 84. | 4. | | ITNA | 78LAU | 02 |
| 85. | 4. | | EXRF | 80DYC | 01 |
| 85. | 10. | 6 | EXRF | 79MAT | 01 |
| 85. | | | ITNA | 78CAP | 01 |
| 85. | 2. | 11 | ICPES | 82JON | 01 |
| 85.6 | 2.8 | 6 | ITNA | 74HOF | 01 |
| 86. | | | RTNA | 72MOR | 03 |
| 86. | | | ASV | 80CHR | 01 |
| 86. | | | ITNA | 83GLA | 01 |
| 86. | 1. | | ICPES | 79MCQ | 02 |
| 86. | 2. | 11 | ICPES | 82JON | 01 |
| 86. | | | AA | 76FUK | 01 |
| 86. | 2. | | ICPES | 79MCQ | 01 |
| 86.5 | 4.9 | | EXRF | 79GIA | 01 |
| 87. | | | FAA | 73SEG | 01 |
| 87. | | 11 | AA | 79HOE | 02 |
| 87. | | | FAA | 73SEG | 01 |
| 87. | | 11 | AA | 79HOE | 02 |
| 87.1 | 1.6 | | RTNA | 73HEY | 01 |
| 87.8 | 5.9 | | RTNA | 74RAV | 01 |
| 88. | 4.4 | 11 | AA | 75ISA | 01 |
| 88. | | | OES | 75JON | 02 |
| 88. | | | OES | 75JON | 04 |
| 88.2 | 3.4 | | PAA | 74CHA | 01 |
| 88.6 | 2.2 | | EXRF | 73GIA | 01 |
| 88.8 | | 11 | AA | 79HOE | 02 |
| 89. | 3. | | VV | 80SCH | 05 |
| 89. | 1. | 11 | ICPES | 82JON | 01 |
| 89. | 5. | | ITNA | 78GIL | 01 |
| 89. | 2.67 | 11 | AA | 75ISA | 01 |
| 89. | 4.4 | | ITNA | 79KOB | 03 |
| 89. | 4. | | ITNA | 74RAN | 02 |
| 89. | 0.6 | | ICPES | 79HER | 01 |
| 89. | 4. | | AA | 79MCQ | 01 |
| 89.9 | | | ITNA | 76BAT | 01 |
| 90. | 7. | | ITNA | 77HAM | 01 |
| 90. | 3. | | ICPES | 79ABE | 01 |
| 90. | | | ITNA | 80CRE | 01 |
| 90. | 6. | | ITNA | 76KUC | 01 |
| 90. | 1. | | ITNA | 80SLO | 01 |
| 90. | 0.9 | 11 | AA | 78GAI | 01 |
| 90. | 12. | | CPXRF | 77CAM | 01 |
| 91. | 4. | MD | FAA | 79WES | 01 |
| 91. | | | EXRF | 81BIS | 01 |
| 91. | 2. | 6 | NAA | 78GAN | 01 |
| 91.1 | 18. | | EXRF | 75REU | 01 |
| 91.6 | 1.08 | | NAA | 76GUZ | 01 |
| 92. | 4. | 35 | ITNA | 81GLA | 04 |
| 92. | 3. | | ITNA | 78FUR | 01 |

TABLE H (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 92. | 1. | | DCP | 79REE | 01 |
| 92. | 1. | D* | DCP | 81REE | 01 |
| 92. | 3. | | ITNA | 75RIC | 01 |
| 92. | | | AA | 76KRI | 03 |
| 92.4 | 0.8 | | ICPES | 81KNA | 01 |
| 93. | | | ITNA | 80SAT | 01 |
| 93. | | | OES | 75JON | 05 |
| 93. | | | XRF | 78CAM | 02 |
| 93. | 6. | | EXRF | 77NIE | 01 |
| 93.8 | 17.2 | | PAA | 80YAM | 01 |
| 94. | 3.5 | 6 | NAA | 78GAN | 01 |
| 94.5 | 5. | | PAA | 76KAT | 04 |
| 94.8 | 4. | | ITNA | 82QUR | 01 |
| 94.8 | 4. | | ITNA | 79AHM | 01 |
| 95. | 7.3 | | CPXRF | 80KIR | 01 |
| 95. | 4. | | PAA | 76KAT | 02 |
| 95. | 12. | | ITNA | 79SAT | 01 |
| 95. | | | AE+AF | 79ULL | 01 |
| 95.4 | 2.1 | | ITNA | 76GAL | 01 |
| 96. | | | ICPES | 81WEI | 01 |
| 96. | | | OES | 75JON | 03 |
| 96. | 5. | | PAA | 78HIS | 01 |
| 96.2 | 4.8 | | AA | 76GAL | 01 |
| 96.8 | 3.6 | | AA | 73THO | 01 |
| 97. | 10. | | ITNA | 77ZIK | 01 |
| 97. | | | OES | 75JON | 10 |
| 97.4 | | | CPXRF | 75CAM | 01 |
| 98. | | | XRF | 80SUZ | 02 |
| 98. | 20. | | TCGS | 79FAI | 01 |
| 100. | | | ITNA | 78KEL | 02 |
| 101. | | | OES | 75JON | 01 |
| 101. | 10. | | XRF | 74REU | 01 |
| 103. | 5. | * | VV | 81NON | 01 |
| 107. | 3. | * | SSMS | 72MAG | 01 |
| 110. | | * | ITNA | 79REN | 03 |
| 110. | 9. | *6 | EXRF | 79MAT | 01 |
| 131. | | * | OES | 75JON | 08 |
| 144. | | * | OES | 75JON | 09 |
| 242. | | * | EXRF | 81PAR | 01 |

Mo (ppb)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| | 5000. | L* | ICPES | 78CAP | 01 |
| | 1400. | L* | 14NAA | 81WIL | 01 |
| | 5000. | L* | RTNA | 72MOR | 03 |
| | 1000. | L* | PAA | 78HIS | 01 |
| | 800. | L* | 14NAA | 81WIL | 02 |
| 110. | 80. | *11 | ICPES | 82JON | 01 |
| 200. | | | FAA | 79BEN | 01 |
| 200. | 100. | 11 | ICPES | 82JON | 01 |
| 200. | 100. | 11 | ICPES | 82JON | 01 |
| 200. | 200. | 11 | ICPES | 82JON | 01 |
| 240. | 20. | | RTNA | 78NAD | 01 |
| 240. | 21. | | RTNA | 82HAD | 01 |
| 250. | | 1 | IENA | 79KUC | 01 |
| 280. | 20. | | ICPES | 82LYO | 01 |
| 300. | 60. | | RTNA | 77DIK | 01 |
| 300. | 30. | | RTNA | 74GOE | 01 |
| 320. | 60. | | RTNA | 80SLO | 01 |
| 320. | | 1 | IENA | 79KUC | 01 |
| 327. | 70. | | NAA | 76GUZ | 01 |
| 390. | 40. | | FAA | 81NEU | 01 |

TABLE H (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 400. | 100. | | PAA | 80SEG | 01 |
| 2260. | 210. | * | PAA | 74CHA | 01 |
| 2300. | | * | OES | 75JON | 10 |
| 3300. | | * | OES | 75JON | 11 |
| 4000. | 2000. | * | CPAA | 77ZIK | 01 |
| 4600. | | * | OES | 75JON | 03 |
| 6200. | | * | OES | 75JON | 01 |
| 10500. | | * | OES | 75JON | 07 |
| 15200. | | * | OES | 75JON | 02 |
| N (%) | | | | | |
| 2.59 | 0.11 | * | CB | 82GLA | 02 |
| 2.61 | 0.05 | | 14NAA | 80FAA | 01 |
| 2.62 | 0.03 | | CB | 80SCH | 02 |
| 2.7 | 0.01 | 11 | TITR | 82LIA | 01 |
| 2.7 | 0.4 | | 14NAA | 77SEG | 01 |
| 2.7 | 0.09 | | TCGS | 79FAI | 01 |
| 2.7 | 0.09 | 13 | NT | 74CAR | 01 |
| 2.7 | 0.4 | 35 | TCGS | 79GLA | 04 |
| 2.71 | 0.01 | | TITR | 80GIN | 01 |
| 2.72 | | 11 | TITR | 82LIA | 01 |
| 2.74 | 0.01 | | COLOR | 80GIN | 01 |
| 2.74 | 0.02 | 11 | TITR | 82LIA | 01 |
| 2.74 | 0.01 | 11 | TITR | 82LIA | 01 |
| 2.75 | 0.03 | 11 | TITR | 82LIA | 01 |
| 2.755 | 0.038 | | GRAV | 74CAR | 01 |
| 2.76 | 0.09 | 13 | NT | 74CAR | 01 |
| 2.81 | 0.15 | | TCGS | 79AND | 01 |
| N-15 (A%) | | | | | |
| 0.367 | 0.002 | | MS | 73CAR | 01 |
| Na (ppm) | | | | | |
| | 70. | L* | 14NAA | 81WIL | 02 |
| | 25. | L* | ITNA | 74HOF | 01 |
| | 360. | L* | 14NAA | 81WIL | 01 |
| | 100. | L* | ITNA | 74HOF | 01 |
| 40. | | * | OES | 75JON | 03 |
| 74. | | | OES | 75JON | 06 |
| 75. | | | NAA | 77LAU | 01 |
| 76. | | | NAA | 74BEL | 01 |
| 77. | | | RTNA | 72MOR | 03 |
| 77. | 6. | | ITNA | 80SLO | 01 |
| 77. | 4. | | RTNA | 76MEL | 03 |
| 78. | 3. | | ITNA | 74RAN | 02 |
| 78. | 5. | | ITNA | 76KUC | 01 |
| 79.3 | 5. | | PAA | 74CHA | 01 |
| 80. | 2. | | FE | 81MIZ | 01 |
| 80. | | | ITNA | 78LAU | 02 |
| 80.6 | 1.3 | | FE | 78KOR | 01 |
| 81. | 17. | | ITNA | 78FUR | 01 |
| 81. | | | ITNA | 79KUC | 01 |
| 81.5 | 3. | | ITNA | 79AHM | 01 |
| 81.8 | 1.83 | | NAA | 76GUZ | 01 |
| 82. | | 1 | IENA | 79KUC | 01 |
| 83. | 8.5 | | ITNA | 77HAM | 01 |
| 83. | 5. | | ITNA | 75RIC | 01 |
| 84. | 4. | | ITNA | 78GIL | 01 |
| 84.4 | | | ITNA | 76BAT | 01 |
| 86. | 1. | | VV | 81NON | 01 |

TABLE H (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 86. | 5. | | ITNA | 77ZIK | 01 |
| 87. | 11. | | PAA | 76KAT | 02 |
| 87. | | | CPAA | 80HAN | 01 |
| 87. | 16. | | PAA | 76KAT | 04 |
| 88. | 6.8 | | ITNA | 79KOB | 03 |
| 88. | 142. | R* | ITNA | 79IMA | 01 |
| 88. | 142. | R* | ITNA | 79IMA | 03 |
| 90. | 8. | | ITNA | 81KOS | 01 |
| 92. | | | ITNA | 80CRE | 01 |
| 92. | | 35 | ITNA | 81GLA | 04 |
| 100. | | | OES | 75JON | 01 |
| 100. | | | OES | 75JON | 05 |
| 103.5 | | | ITNA | 82AKA | 01 |
| 110. | | 35 | ITNA | 81GLA | 03 |
| 114. | 2. | | NAA | 78GAN | 01 |
| 120. | 40. | | ITNA | 79REN | 03 |
| 140. | 12. | | ICPES | 79ABE | 01 |
| 150. | | * | OES | 75JON | 04 |
| 154. | | * | OES | 75JON | 09 |
| 155. | | * | ITNA | 78CAP | 01 |
| 162. | | *1 | AA | 78SZY | 01 |
| 170. | 30. | * | IENA | 79JON | 01 |
| 244. | | *1 | AA | 78SZY | 01 |
| 400. | | * | OES | 75JON | 11 |
| 524. | | * | OES | 75JON | 08 |
| Nb (ppm) | | | | | |
| | 0.3 | L* | PAA | 78HIS | 01 |
| Nd (ppb) | | | | | |
| | 1000. | L* | NAA | 77LAU | 01 |
| 320. | 90. | | ITNA | 77NAD | 02 |
| 480. | | | SSMS | 78URE | 01 |
| 570. | | | RTNA | 77LAU | 02 |
| 570. | | D* | RTNA | 82LAU | 01 |
| Ni (ppm) | | | | | |
| | 5. | L* | 14NAA | 81WIL | 02 |
| | 10. | L* | AA | 76KRI | 03 |
| | 2.5 | L* | PAA | 78HIS | 01 |
| 0.7 | | | CPXRF | 75CAM | 01 |
| 1. | | 1 | IENA | 79KUC | 01 |
| 1.1 | | 16 | AA | 79ABO | 01 |
| 1.14 | 0.08 | | FAA | 79STO | 01 |
| 1.15 | 0.07 | 11 | ICPES | 82JON | 01 |
| 1.15 | 0.09 | 11 | ICPES | 82JON | 01 |
| 1.18 | 0.08 | | AA | 80AGE | 01 |
| 1.2 | 0.5 | | EXRF | 79GIA | 01 |
| 1.2 | 0.063 | 6 | COLOR | 78FUD | 01 |
| 1.2 | 0.4 | | FAA | 82GRO | 01 |
| 1.2 | 1. | | EXRF | 77NIE | 01 |
| 1.2 | 0.07 | 6 | COLOR | 78FUD | 01 |
| 1.2 | | | XRF | 78CAM | 02 |
| 1.24 | 0.07 | 11 | ICPES | 82JON | 01 |
| 1.27 | 0.08 | | PAA | 74CHA | 01 |
| 1.27 | 0.08 | 11 | ICPES | 82JON | 01 |
| 1.28 | 0.16 | | NAA | 76GUZ | 01 |
| 1.3 | | | AA | 73LOO | 03 |
| 1.3 | 0.1 | | RTNA | 75ABU | 01 |
| 1.3 | 0.07 | | VOLT | 81PIH | 01 |

TABLE H (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 1.3 | 0.2 | 9 | ITNA | 78LAU | 02 |
| 1.3 | 0.4 | | EXRF | 73GIA | 01 |
| 1.31 | 0.17 | | FAA | 80DOR | 01 |
| 1.31 | 0.11 | | ITNA | 75PIE | 01 |
| 1.37 | 0.03 | | COLOR | 77BUR | 01 |
| 1.4 | 0.1 | | POL | 72MAI | 01 |
| 1.4 | | 1 | IENA | 79KUC | 01 |
| 1.4 | 0.3 | | RTNA | 77MEL | 01 |
| 1.4 | | | FAA | 82HOE | 01 |
| 1.4 | 0.1 | | POL | 77MAI | 01 |
| 1.4 | 0.1 | | POL | 74MAI | 01 |
| 1.4 | 0.6 | | ITNA | 74RAN | 02 |
| 1.4 | | | FAA | 73SEG | 01 |
| 1.5 | 0.2 | | PAA | 80SEG | 01 |
| 1.5 | 0.3 | | EXRF | 80DYC | 01 |
| 1.5 | 0.3 | | RTNA | 80SLO | 01 |
| 1.5 | 0.3 | | PAA | 80YAM | 01 |
| 1.6 | 0.4 | | AA | 78RIT | 01 |
| 1.7 | 0.1 | D* | DCP | 81REE | 01 |
| 1.7 | 0.1 | | DCP | 79REE | 01 |
| 1.8 | 0.2 | | ICPES | 79ABE | 01 |
| 2. | | | NAA | 77LAU | 01 |
| 2.1 | 0.02 | | ICPES | 79HER | 01 |
| 2.2 | 0.7 | * | 14NAA | 81WIL | 01 |
| 2.6 | 1. | * | CPXRF | 80KIR | 01 |
| 2.9 | 1. | * | CPXRF | 77CAM | 01 |
| 4. | | * | AE+AF | 79ULL | 01 |
| 4. | 1.3 | * | AA | 79MON | 01 |
| 4.3 | | *16 | AA | 79ABO | 01 |
| **P (ppm)** | | | | | |
| 1400. | | * | OES | 75JON | 04 |
| 1500. | | * | OES | 75JON | 05 |
| 1560. | | * | ICPES | 78CAP | 01 |
| 1770. | 90. | | ICPES | 81OWE | 01 |
| 1800. | 100. | | COLOR | 79MCQ | 01 |
| 1800. | | | OES | 75JON | 07 |
| 1800. | | | OES | 75JON | 11 |
| 1900. | 200. | 6 | FAA | 81LAN | 01 |
| 1900. | 40. | | ICPES | 79MCQ | 02 |
| 1900. | | | OES | 75JON | 06 |
| 1900. | 100. | | ICPES | 79MCQ | 01 |
| 1900. | | | OES | 75JON | 10 |
| 1920. | 1000. | | EXRF | 77NIE | 01 |
| 1930. | | | COLOR | 77HAM | 04 |
| 1970. | 70. | 11 | ICPES | 82JON | 01 |
| 1980. | 40. | 11 | ICPES | 82JON | 01 |
| 2000. | 100. | 6 | FAA | 81LAN | 01 |
| 2000. | 400. | | CPXRF | 80KIR | 01 |
| 2000. | | | COLOR | 79HIL | 01 |
| 2000. | 100. | 6 | FAA | 81LAN | 01 |
| 2000. | | | CPAA | 80HAN | 01 |
| 2000. | | | ICPES | 79EDI | 01 |
| 2000. | 100. | | 14NAA | 81WIL | 01 |
| 2000. | 500. | | ICPES | 79ABE | 01 |
| 2000. | 200. | | 14NAA | 81WIL | 02 |
| 2060. | 40. | 11 | ICPES | 82JON | 01 |
| 2070. | 70. | 7 | NM | 81SHI | 01 |
| 2070. | 100. | | IENA | 79JON | 01 |
| 2090. | 60. | 11 | ICPES | 82JON | 01 |
| 2096.7 | 70.14 | | NAA | 76GUZ | 01 |
| 2100. | 80. | 12 | FAA | 78EDI | 01 |

TABLE H (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 2100. | 130. | 7 | NM | 81SHI | 01 |
| 2100. | | | OES | 75JON | 02 |
| 2100. | 100. | | 14NAA | 80FAA | 01 |
| 2100. | | | FAA | 79EDI | 01 |
| 2100. | | | OES | 75JON | 09 |
| 2110. | 110. | 7 | NM | 81SHI | 01 |
| 2130. | 20. | | ICPES | 79HER | 01 |
| 2160. | 50. | 12 | FAA | 78EDI | 01 |
| 2190. | 110. | 7 | NM | 81SHI | 01 |
| 2300. | | | OES | 75JON | 08 |
| 2380. | 180. | | EXRF | 75REU | 01 |
| 2400. | | | OES | 75JON | 03 |
| 2500. | 400. | * | 14NAA | 77SEG | 01 |
| 3100. | | * | OES | 75JON | 01 |
| **Pb (ppm)** | | | | | |
| 15. | 5.1 | * | CPXRF | 80KIR | 01 |
| 17.6 | | * | SSMS | 81VER | 02 |
| 26. | | * | AA | 76FUK | 01 |
| 28.5 | 3.6 | * | FAA | 77FUJ | 01 |
| 31. | 2. | * | ICPES | 81NAD | 01 |
| 37. | | | AA | 73LOO | 03 |
| 38. | 3. | | FAA | 77LOR | 01 |
| 40. | 2. | | EXRF | 73SPA | 01 |
| 40. | 4. | | PAA | 78HIS | 01 |
| 40.7 | 3. | | EXRF | 79GIA | 01 |
| 41. | | | ICPES | 78DAH | 01 |
| 41. | 2. | | AA | 83GLA | 01 |
| 41. | 1. | | ICPES | 79HER | 01 |
| 42. | 1.7 | | AA | 80AGE | 01 |
| 42. | | | FAA | 82HOE | 01 |
| 42. | 4. | | ITNA | 77GUI | 02 |
| 42. | 4. | | NAA | 76MIL | 02 |
| 42. | 1. | | ICPES | 79MCQ | 02 |
| 42. | 9. | | 14NAA | 81WIL | 02 |
| 42. | | | FAA | 78URE | 02 |
| 42. | 3. | | ICPES | 79MCQ | 01 |
| 42.2 | | 11 | FAA | 79HOE | 02 |
| 42.9 | | 11 | FAA | 79HOE | 02 |
| 43. | | | FAA | 80PRE | 01 |
| 43. | | | SSMS | 74LUT | 01 |
| 43.2 | 5.1 | | FAA | 82JEN | 02 |
| 43.3 | | | AA | 76KRI | 03 |
| 43.4 | | 6 | POL | 72SIN | 01 |
| 43.7 | 0.9 | | HAA | 76VIJ | 01 |
| 44. | 2. | | NAA | 77JER | 01 |
| 44. | 4. | | FAA | 81KNA | 01 |
| 44. | | | FAA | 79HEI | 03 |
| 44. | 2. | | FAA | 80LEG | 01 |
| 44. | 2.3 | 6 | POL | 72SIN | 01 |
| 44. | 2. | 11 | ICPES | 82JON | 01 |
| 44. | 2. | | AA | 75ABU | 01 |
| 44. | | | FAA | 73SEG | 01 |
| 44.2 | 2.1 | | PAA | 74CHA | 01 |
| 44.3 | | | FAA | 79YAS | 01 |
| 44.5 | 1.7 | | POL | 74MAI | 01 |
| 44.5 | 6.2 | | XRF | 77SMI | 04 |
| 44.6 | 1.7 | | POL | 72MAI | 01 |
| 44.6 | 1.7 | | POL | 77MAI | 01 |
| 44.67 | 1.53 | | ASV | 77KON | 01 |
| 44.9 | 1. | | ASV | 82SAT | 02 |
| 44.9 | | | ICPES | 78CAP | 01 |

TABLE H (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 45. | | 6 | FAA | 81JAC | 01 |
| 45. | 3.6 | | AA | 79MON | 01 |
| 45. | 2. | | PAA | 74LUT | 01 |
| 45. | 0.5 | | AA | 73TAL | 01 |
| 45. | | | POL | 74LUT | 01 |
| 45.3 | 1.13 | | FAA | 82VAN | 01 |
| 45.3 | 0.7 | | FAA | 79DAB | 02 |
| 45.3 | | | CPXRF | 75CAM | 01 |
| 45.4 | 2. | | EXRF | 73GIA | 01 |
| 45.5 | 1. | | RTNA | 72GIB | 01 |
| 45.9 | 0.14 | | FAA | 79STO | 01 |
| 46. | 1. | 11 | ICPES | 82JON | 01 |
| 46. | 2. | | AA | 80SCH | 05 |
| 46. | 2. | | FAA | 79KRA | 01 |
| 46. | 2. | | AA | 77YAN | 01 |
| 46. | | | FAA | 82PRE | 01 |
| 46. | 52. | R* | AA | 75MAN | 01 |
| 46.4 | | | AA | 74BOP | 01 |
| 46.5 | | 16 | AA | 79ABO | 01 |
| 46.8 | 5.6 | | HAA | 82WEI | 01 |
| 47. | | | ICPES | 81WEI | 01 |
| 47. | | | AA | 79HIL | 01 |
| 47. | | 6 | FAA | 81JAC | 01 |
| 47. | 2.5 | | ASV | 79BRI | 02 |
| 47. | 5. | | ASV | 81DOG | 01 |
| 47. | 6. | | EXRF | 79KUE | 01 |
| 47. | 4. | | ICPES | 79ABE | 01 |
| 47.1 | 4.7 | | XRF | 74REU | 01 |
| 47.3 | 5.6 | | FAA | 82WEI | 01 |
| 48. | 5. | | AA | 78RIT | 01 |
| 48. | 5. | | AA | 82RIT | 01 |
| 48.6 | 3.8 | | EXRF | 75REU | 01 |
| 49. | 2. | | PAA | 80SEG | 01 |
| 49. | | | DCP | 78NAK | 01 |
| 49. | 5. | | EXRF | 77NIE | 01 |
| 49.3 | | 16 | AA | 79ABO | 01 |
| 49.3 | 1.5 | | PAA | 80YAM | 01 |
| 50. | 11. | | AA | 79MCQ | 01 |
| 50. | 5. | | EXRF | 77FLO | 01 |
| 50. | | | FAA | 74BRA | 03 |
| 50. | | | AE+AF | 79ULL | 01 |
| 50. | | | AA | 76FUK | 01 |
| 51. | 3. | | EXRF | 80DYC | 01 |
| 52.6 | | | FAA | 78CAP | 01 |
| 54. | 10. | * | CPXRF | 77CAM | 01 |
| 57. | 12. | * | 14NAA | 81WIL | 01 |
| 57. | 17. | * | CPAA | 77ZIK | 01 |
| 85. | | * | OES | 75BOL | 02 |
| 115. | | * | EXRF | 81PAR | 01 |
| **Pd (ppb)** | | | | | |
| | 1. | L* | RTNA | 81BYR | 01 |
| **Pr (ppb)** | | | | | |
| 60. | | | SSMS | 78URE | 01 |
| 110. | | | RTNA | 80SLO | 01 |
| 230. | | D* | RTNA | 82LAU | 01 |
| 230. | | | RTNA | 77LAU | 02 |

TABLE H (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| **Pt (ppb)** | | | | | |
| 89.2 | 15.4 | | RTNA | 77NAD | 01 |
| 1200. | 300. | | RTNA | 74CAR | 03 |
| **Rb (ppm)** | | | | | |
| | 15.5 | L* | ITNA | 80TOU | 01 |
| 5. | 2. | * | EXRF | 77FLO | 01 |
| 9.8 | 1.3 | | XRF | 77SMI | 04 |
| 10. | 1. | | EXRF | 79KUE | 01 |
| 10. | 1.5 | | CPXRF | 80KIR | 01 |
| 10. | 1. | | 14NAA | 81WIL | 02 |
| 10. | | | NAA | 77LAU | 01 |
| 10. | 0.9 | | ITNA | 79AHM | 01 |
| 10. | | | ITNA | 80CRE | 01 |
| 10.3 | | 1 | IENA | 79KUC | 01 |
| 10.3 | 0.7 | | ITNA | 75RIC | 01 |
| 10.3 | 0.6 | | ITNA | 74RAN | 02 |
| 10.5 | | | ITNA | 78CAP | 01 |
| 10.5 | | | ITNA | 79KUC | 01 |
| 10.6 | | 1 | IENA | 79KUC | 01 |
| 10.8 | 0.4 | | ITNA | 79SAT | 01 |
| 10.95 | 0.08 | | ITNA | 81KOS | 01 |
| 11. | 2. | | RTNA | 77MEL | 01 |
| 11. | 16. | R* | AA | 75MAN | 01 |
| 11. | 0.8 | | EXRF | 73GIA | 01 |
| 11. | 1. | | EXRF | 80DYC | 01 |
| 11. | 1. | | ITNA | 78LAU | 02 |
| 11. | | | RTNA | 72MOR | 03 |
| 11. | 1. | | ITNA | 77ZIK | 01 |
| 11. | 2. | | CPXRF | 77CAM | 01 |
| 11.2 | 0.4 | | EXRF | 73SPA | 01 |
| 11.2 | 0.3 | | IENA | 81KOS | 01 |
| 11.2 | 1.5 | | ITNA | 81HAB | 01 |
| 11.28 | 0.42 | | NAA | 76GUZ | 01 |
| 11.3 | 2.9 | 5 | ITNA | 80TOU | 01 |
| 11.3 | 5.2 | | EXRF | 75REU | 01 |
| 11.4 | | | EXRF | 81BIS | 01 |
| 11.5 | 0.6 | | EXRF | 79GIA | 01 |
| 11.5 | 1. | | EXRF | 77NIE | 01 |
| 11.5 | | | XRF | 78CAM | 02 |
| 11.7 | 0.1 | | ITNA | 78GIL | 01 |
| 11.8 | 1.2 | 35 | ITNA | 81GLA | 03 |
| 11.8 | | | ITNA | 80SAT | 01 |
| 11.9 | 0.8 | | NAA | 78GAN | 01 |
| 12. | 0.7 | | ITNA | 82COR | 01 |
| 12. | 1.5 | | ITNA | 77HAM | 01 |
| 12. | | | NAA | 74BEL | 01 |
| 12. | 0.04 | | ITNA | 78FUR | 01 |
| 12. | 2. | | ITNA | 76KUC | 01 |
| 12. | 1.1 | 6 | ITNA | 74BEC | 01 |
| 12.1 | 1. | 9 | ITNA | 78LAU | 02 |
| 12.5 | 1. | | PAA | 76KAT | 04 |
| 12.5 | 0.6 | | PAA | 78HIS | 01 |
| 12.8 | 0.6 | | 14NAA | 81WIL | 01 |
| 13. | 2. | | ITNA | 81KUL | 01 |
| 13. | 1. | | PAA | 76KAT | 02 |
| 13. | 3.5 | | CPXRF | 81ROB | 02 |
| 13. | 0.9 | | VV | 81NON | 01 |
| 14.8 | | * | CPXRF | 75CAM | 01 |

TABLE H (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 15.61 | 3.01 | * | ITNA | 79REN | 03 |
| 19.9 | | * | SSMS | 81VER | 02 |
| 28. | | * | EXRF | 81PAR | 01 |
| 30. | | * | CPXRF | 76ZEI | 01 |
| 30. | | * | CPAA | 78MCG | 01 |
| S (ppm) | | | | | |
| 1400. | 600. | * | CPXRF | 79REN | 02 |
| 1660. | 220. | | TCGS | 79AND | 01 |
| 1690. | 5. | | TITR | 80SMI | 01 |
| 1700. | 200. | | TCGS | 79FAI | 01 |
| 1860. | 180. | | COLOR | 82BAR | 01 |
| 1950. | 200. | | XRF | 82BAR | 01 |
| 2120. | 50. | | EXRF | 77NIE | 01 |
| 2120. | | | XRF | 78CAM | 02 |
| 2150. | 380. | | EXRF | 75REU | 01 |
| 2150. | 200. | | CB | 77LAN | 01 |
| 2200. | 103. | | CPXRF | 80KIR | 01 |
| 2300. | 200. | | TCGS | 77JUR | 01 |
| 2400. | | | FE | 79BOG | 01 |
| 2400. | | | TURB | 79BOG | 01 |
| 2700. | 400. | | XRF | 81NAD | 01 |
| 7020. | 2620. | * | EXRF | 77NIE | 01 |
| Sb (ppm) | | | | | |
| | 99. | L* | ITNA | 80TOU | 01 |
| 1.1 | 0.2 | * | ITNA | 77ZIK | 01 |
| 2.2 | 0.2 | * | HAA | 74LOO | 01 |
| 2.3 | 0.3 | *H | ICPES | 79ROB | 01 |
| 2.5 | | | ITNA | 78CAP | 01 |
| 2.5 | 3.6 | R* | ITNA | 79IMA | 03 |
| 2.5 | 3.6 | R* | ITNA | 79IMA | 01 |
| 2.55 | | 11 | FAA | 79HOE | 02 |
| 2.55 | | 11 | FAA | 79HOE | 02 |
| 2.57 | 0.19 | | ITNA | 79REN | 03 |
| 2.62 | | 6 | NAA | 78GAN | 01 |
| 2.7 | 0.4 | | 14NAA | 81WIL | 02 |
| 2.7 | | | ITNA | 80CRE | 01 |
| 2.7 | 0.1 | | ITNA | 78LAU | 02 |
| 2.7 | | | NAA | 77LAU | 01 |
| 2.7 | | 1 | IENA | 79KUC | 01 |
| 2.7 | 0.4 | 6 | ITNA | 74BEC | 01 |
| 2.7 | 0.3 | 6 | ITNA | 74BEC | 01 |
| 2.7 | 0.2 | | RTNA | 74GOE | 01 |
| 2.7 | 0.3 | | ITNA | 74RAN | 02 |
| 2.72 | 0.2 | | ITNA | 82QUR | 01 |
| 2.72 | 0.01 | | ITNA | 79AHM | 01 |
| 2.77 | 0.02 | H | ICPES | 81PAH | 01 |
| 2.8 | 0.1 | | RTNA | 78GAL | 01 |
| 2.8 | 0.1 | H | ICPES | 82HAH | 01 |
| 2.8 | 0.2 | | ITNA | 81KOS | 01 |
| 2.8 | | | HAA | 80HON | 01 |
| 2.8 | | 1 | IENA | 79KUC | 01 |
| 2.8 | 0.1 | 7 | RTNA | 77GIL | 03 |
| 2.8 | | 11 | HAA | 82KUE | 03 |
| 2.8 | | | ITNA | 79KUC | 01 |
| 2.85 | 0.06 | | RTNA | 80SLO | 01 |
| 2.86 | 0.08 | | RTNA | 78GIL | 01 |
| 2.88 | 0.05 | 7 | RTNA | 77GIL | 03 |
| 2.9 | 0.1 | | IENA | 81KOS | 01 |

TABLE H (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 2.9 | 0.2 | | ITNA | 78VAL | 01 |
| 2.9 | 0.5 | | RTNA | 79REN | 01 |
| 2.9 | 0.09 | | RTNA | 79HOE | 01 |
| 2.92 | 0.08 | 7 | RTNA | 77GIL | 03 |
| 2.99 | 0.05 | | HAA | 76FIO | 01 |
| 2.99 | 0.45 | | RTNA | 79ROS | 02 |
| 3. | | | RTNA | 72MOR | 03 |
| 3. | 0.2 | | FAA | 80NAK | 01 |
| 3. | | 11 | HAA | 82KUE | 03 |
| 3. | | | RTNA | 79BYR | 01 |
| 3.02 | 0.26 | | HAA | 79VIJ | 01 |
| 3.1 | 0.03 | | VV | 81NON | 01 |
| 3.1 | 0.1 | | ITNA | 79SAT | 01 |
| 3.1 | 0.7 | | ITNA | 77HAM | 01 |
| 3.14 | 0.13 | | RTNA | 72BYR | 01 |
| 3.15 | 0.26 | | PAA | 74CHA | 01 |
| 3.16 | 0.26 | | NAA | 77JER | 01 |
| 3.2 | 0.2 | | GCMES | 75TAL | 01 |
| 3.25 | 0.3 | | PAA | 76KAT | 04 |
| 3.3 | 0.3 | | ITNA | 81KUL | 01 |
| 3.3 | 0.2 | 5 | ITNA | 80TOU | 01 |
| 3.3 | | 11 | HAA | 82KUE | 03 |
| 3.3 | 0.6 | | RTNA | 77KUS | 01 |
| 3.3 | 0.14 | | ITNA | 79KOB | 03 |
| 3.3 | 0.2 | | PAA | 76KAT | 02 |
| 3.5 | 0.2 | * | PAA | 78HIS | 01 |
| 3.5 | 0.3 | * | FAA | 78HAY | 01 |
| 3.78 | 0.02 | * | ITNA | 81HAB | 01 |
| 3.8 | 0.6 | *6 | NAA | 78GAN | 01 |
| 3.8 | 0.2 | * | RTNA | 73TJI | 01 |
| 5.1 | 1.1 | * | 14NAA | 81WIL | 01 |
| Sc (ppb) | | | | | |
| | 2000. | L* | 14NAA | 81WIL | 01 |
| | 97. | L* | ITNA | 80TOU | 01 |
| 40. | 3. | 6 | ITNA | 74BEC | 01 |
| 40. | | 6 | NAA | 78GAN | 01 |
| 40. | 10. | 6 | NAA | 78GAN | 01 |
| 41. | 4. | | VV | 81NON | 01 |
| 44. | 3. | | ITNA | 74RAN | 02 |
| 52. | 3. | | ITNA | 79CHA | 04 |
| 54. | 4. | | RTNA | 80SLO | 01 |
| 57. | 6. | | ITNA | 81KOS | 01 |
| 60. | 1. | | ITNA | 78LAU | 02 |
| 62. | 2. | | ITNA | 79KOB | 03 |
| 62 | | | NAA | 74BEL | 01 |
| 63. | 8. | | ITNA | 76KUC | 01 |
| 65. | | | NAA | 77LAU | 01 |
| 65. | 3. | | ITNA | 75RIC | 01 |
| 66. | 6. | | ITNA | 79SAT | 01 |
| 67. | 5. | | ITNA | 81HAB | 01 |
| 67. | | | ITNA | 78CAP | 01 |
| 73. | | | ITNA | 80CRE | 01 |
| 75. | 5. | 5 | ITNA | 80TOU | 01 |
| 80. | 6. | | ITNA | 79REN | 03 |
| 80. | | | ITNA | 79KUC | 01 |
| 90. | 20. | | ITNA | 81KUL | 01 |
| 110. | | * | SSMS | 78URE | 01 |
| 170. | 50. | * | RTNA | 77MEL | 01 |
| 200. | | * | RTNA | 72MOR | 03 |
| 220. | 10. | * | PAA | 74CHA | 01 |

TABLE H (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Se (ppb) | | | | | |
| | 100. | L* | HAA | 82JON | 01 |
| | 300. | L* | EXRF | 79GIA | 01 |
| | 1600. | L* | ITNA | 74GUI | 01 |
| | 100. | L* | HAA | 82JON | 01 |
| 24. | 6.7 | * | FAA | 81MEY | 01 |
| 53. | | * | FLUOR | 79TAM | 01 |
| 55. | 9. | | HAA | 76FIO | 01 |
| 56. | 20. | | RTNA | 79ROS | 02 |
| 57. | 6.3 | | ITNA | 77HAM | 01 |
| 58. | 14. | | RTNA | 73TJI | 01 |
| 60. | 20. | | RTNA | 74GOE | 01 |
| 65. | 14. | 9 | ITNA | 80WAN | 01 |
| 68. | | | FAA | 82HEI | 01 |
| 70. | 200. | R* | RTNA | 81GLA | 03 |
| 70. | | | FAA | 78CAP | 01 |
| 70. | 20. | | HAA | 82TAM | 01 |
| 70. | 4. | | ICPES | 80HAA | 01 |
| 70. | 10. | H | ICPES | 82HAH | 01 |
| 74. | | | ITNA | 81HAN | 01 |
| 74. | | | ITNA | 81MEY | 01 |
| 75. | 5. | 7 | RTNA | 77GIL | 03 |
| 76. | 10. | | ITNA | 79AHM | 01 |
| 76. | 3. | 11 | GC | 81UCH | 02 |
| 76. | 1.3 | | HAA | 81HAN | 01 |
| 77. | 6. | | FAA | 79VOB | 01 |
| 77. | 5. | | FLUOR | 76CHA | 02 |
| 77. | 2. | 11 | GC | 81UCH | 02 |
| 77. | | 17 | FLUOR | 74AND | 01 |
| 78. | 7. | 34 | HAA | 78FLA | 01 |
| 78. | 7.2 | | HAA | 81MEY | 01 |
| 78. | 11. | | RTNA | 82POL | 01 |
| 78. | | | HAA | 77IHN | 01 |
| 78. | 5. | | GC | 77POO | 01 |
| 78. | 4. | | ITNA | 77GUI | 02 |
| 79. | 12. | | RTNA | 72ROO | 03 |
| 79. | 12. | | RTNA | 77ROO | 02 |
| 79.8 | 8. | | NAA | 76GUZ | 01 |
| 80. | 30. | | ITNA | 81KOS | 01 |
| 80. | 4. | | FLUOR | 80KOH | 01 |
| 80. | 10. | 9 | ITNA | 79PAV | 02 |
| 80. | | | RTNA | 72MOR | 03 |
| 80. | 10. | 9 | ITNA | 79VOB | 01 |
| 80. | 10. | | RTNA | 75ABU | 01 |
| 80. | 20. | | SSMS | 77ROO | 02 |
| 80. | | 17 | FLUOR | 74AND | 01 |
| 80. | 10. | | RTNA | 80KNA | 01 |
| 80. | 10. | | RTNA | 74ORV | 01 |
| 80. | 20. | | HAA | 80AGE | 02 |
| 80. | | | NAA | 78GAN | 01 |
| 80. | 1. | | FAA | 80NEV | 01 |
| 82. | 20. | | IENA | 81KOS | 01 |
| 82. | 24. | | HAA | 76IHN | 02 |
| 83. | 12. | 9 | ITNA | 77VOB | 01 |
| 83. | 4. | | VV | 81NON | 01 |
| 83. | 4. | | GCMES | 74TAL | 02 |
| 83. | 4. | | DCP | 81CAR | 02 |
| 84. | 8. | | RTNA | 78GIL | 01 |
| 85. | 4. | | ITNA | 79SAT | 01 |
| 86. | 10. | | ITNA | 78GIL | 01 |
| 87. | 3. | | FLUOR | 74LEI | 01 |

TABLE H (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 87. | 10. | 7 | RTNA | 77GIL | 03 |
| 87. | 7. | | HAA | 75SIE | 01 |
| 87. | | 17 | FLUOR | 74AND | 01 |
| 87. | 3. | 6 | FLUOR | 75OLS | 01 |
| 88. | 7. | | RTNA | 73HEY | 01 |
| 88. | 11. | | FLUOR | 74IHN | 02 |
| 88. | 16. | | ASV | 76AND | 01 |
| 89. | 17. | | ITNA | 77VOB | 01 |
| 89. | 3. | 6 | FLUOR | 75OLS | 01 |
| 90. | | | HAA | 80HON | 01 |
| 90. | 10. | | ITNA | 82QUR | 01 |
| 90. | 10. | 7 | RTNA | 77GIL | 03 |
| 90. | 20. | | ITNA | 79PAV | 02 |
| 90. | 10. | | RTNA | 78GAL | 01 |
| 90. | 30. | | ITNA | 78LAU | 02 |
| 90. | 10. | | RTNA | 77BAN | 03 |
| 100. | 20. | 6 | ITNA | 74BEC | 01 |
| 100. | | | ITNA | 79VOB | 01 |
| 100. | 20. | 9 | ITNA | 78LAU | 02 |
| 100. | | | ITNA | 80CRE | 01 |
| 100. | 40. | | NAA | 74LEI | 01 |
| 110. | 20. | | RTNA | 80SLO | 01 |
| 110. | 30. | | AA | 79PAV | 02 |
| 118. | 79. | * | HAA | 77IHN | 03 |
| 130. | 40. | * | RTNA | 77MEL | 01 |
| 140. | 20. | * | ITNA | 74RAN | 02 |
| 200. | | * | ITNA | 78CAP | 01 |
| 1100. | 170. | * | HAA | 74CHU | 01 |
| Si (ppm) | | | | | |
| 475.8 | 12.3 | | ITNA | 75PIE | 01 |
| 475.8 | 12.29 | | NAA | 76GUZ | 01 |
| 480. | 14. | | CPXRF | 80KIR | 01 |
| 500. | 200. | | 14NAA | 80FAA | 01 |
| 600. | | | VV | 81NON | 01 |
| 750. | | | NAA | 78GAN | 01 |
| 1000. | 160. | * | 14NAA | 77SEG | 01 |
| 2340. | 60. | * | IENA | 79JON | 01 |
| Sm (ppb) | | | | | |
| | 3100. | L* | ITNA | 80TOU | 01 |
| 16. | 3. | * | IENA | 81KOS | 01 |
| 19. | 4. | * | ITNA | 81KOS | 01 |
| 88. | 8. | 5 | ITNA | 80TOU | 01 |
| 90. | | | SSMS | 78URE | 01 |
| 90. | 140. | R* | ITNA | 79IMA | 01 |
| 100. | | | RTNA | 77LAU | 02 |
| 100. | | D* | RTNA | 82LAU | 01 |
| 100. | 30. | | ITNA | 77NAD | 02 |
| 100. | | | ITNA | 79KUC | 01 |
| 100. | | | NAA | 77LAU | 01 |
| 100. | | 1 | IENA | 79KUC | 01 |
| 105. | 4. | | RTNA | 80SLO | 01 |
| 110. | 10. | | ITNA | 78LAU | 02 |
| 110. | | | ITNA | 80CRE | 01 |
| 110. | 30. | | TCGS | 79FAI | 01 |
| 130. | 40. | | ITNA | 77HAM | 01 |
| 140. | | | RTNA | 72MOR | 03 |
| 140. | | 1 | IENA | 79KUC | 01 |
| 140. | 40. | | ITNA | 74RAN | 02 |

TABLE H (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 150. | 20. | | VV | 81NON | 01 |
| 170. | 30. | * | TCGS | 79AND | 01 |
| 320. | 120. | * | ITNA | 79REN | 03 |
| Sn (ppb) | | | | | |
| | 1500. | L* | ICPES | 78CAP | 01 |
| 180. | 10. | H | ICPES | 82HAH | 01 |
| 284. | 4. | 5 | RTNA | 74BYR | 01 |
| 290. | 25. | | RTNA | 77BYR | 01 |
| 304. | 15. | 5 | RTNA | 74BYR | 01 |
| 340. | 90. | | ICPES | 80HAA | 01 |
| 375. | 25. | | COLOR | 82OMA | 01 |
| 4100. | | * | RTNA | 72BOW | 01 |
| Sr (ppm) | | | | | |
| 14.5 | 2.5 | * | FAA | 77FUJ | 01 |
| 18.1 | | * | SSMS | 81VER | 02 |
| 23. | | * | OES | 75JON | 03 |
| 28. | 0.6 | | PAA | 78HIS | 01 |
| 28. | 28.3 | R* | AA | 75MAN | 01 |
| 31. | 3.3 | | CPXRF | 80KIR | 01 |
| 31.3 | 4.1 | | XRF | 77SMI | 04 |
| 31.7 | 4.8 | | 14NAA | 77VAN | 01 |
| 33.1 | | | EXRF | 81BIS | 01 |
| 34. | 1. | | FAA | 82SUZ | 03 |
| 34.3 | 0.5 | | EXRF | 73SPA | 01 |
| 35. | | | NAA | 77LAU | 01 |
| 35. | 3. | 9 | ITNA | 78LAU | 02 |
| 35. | 2. | | EXRF | 80DYC | 01 |
| 35. | | | OES | 75JON | 04 |
| 35. | 3. | | ICPES | 79ABE | 01 |
| 35.2 | | | ICPES | 78DAH | 01 |
| 36. | | | CPAA | 78MCG | 01 |
| 36. | | | CPXRF | 76ZEI | 01 |
| 36. | 6. | | ITNA | 78LAU | 02 |
| 36.2 | 2. | | PAA | 74CHA | 01 |
| 36.3 | 1.3 | | EXRF | 79GIA | 01 |
| 36.5 | 2. | | EXRF | 77FLO | 01 |
| 36.5 | 4. | | EXRF | 75REU | 01 |
| 36.5 | 0.3 | | ICPES | 79HER | 01 |
| 36.5 | 1. | | PAA | 76KAT | 04 |
| 36.6 | 1.2 | | EXRF | 73GIA | 01 |
| 37. | 1. | | ICPES | 79MCQ | 02 |
| 37. | 1. | | PAA | 76KAT | 02 |
| 37. | 1. | | ITNA | 79SAT | 01 |
| 37. | 2. | | ICPES | 79MCQ | 01 |
| 37.2 | 0.2 | | IENA | 81KOS | 01 |
| 37.4 | 8.3 | | CPXRF | 81ROB | 02 |
| 38. | 5. | | NAA | 78GAN | 01 |
| 38.7 | 1.5 | | ITNA | 81KOS | 01 |
| 39. | 2. | | 14NAA | 81WIL | 02 |
| 40. | | | RTNA | 72MOR | 03 |
| 41. | 3. | | RTNA | 77KUS | 01 |
| 42.2 | 4.2 | | XRF | 74REU | 01 |
| 44.2 | 2.85 | | NAA | 76GUZ | 01 |
| 45. | 15. | | CPAA | 77ZIK | 01 |
| 45. | | | OES | 75JON | 01 |
| 45. | 2. | | ITNA | 74RAN | 02 |
| 53. | 4. | * | 14NAA | 81WIL | 01 |
| 118. | | * | EXRF | 81PAR | 01 |

TABLE H (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Ta (ppb) | | | | | |
| 5. | | | NAA | 77LAU | 01 |
| 7. | 2. | | ITNA | 78LAU | 02 |
| 10. | | | ITNA | 80CRE | 01 |
| 10. | 3. | | ITNA | 74RAN | 02 |
| Tb (ppb) | | | | | |
| 1.23 | 0.12 | * | ITNA | 77NAD | 02 |
| 9. | 1. | | RTNA | 80SLO | 01 |
| 12. | 2. | | ITNA | 78LAU | 02 |
| 13. | | | RTNA | 77LAU | 02 |
| 13. | | D* | RTNA | 82LAU | 01 |
| 14. | | | ITNA | 80CRE | 01 |
| 15. | | | NAA | 77LAU | 01 |
| 18. | 1. | | ITNA | 74RAN | 02 |
| 80. | | * | SSMS | 78URE | 01 |
| Te (ppb) | | | | | |
| 11. | 3. | 35 | RTNA | 75GLA | 01 |
| Th (ppb) | | | | | |
| | 1000. | L* | EXRF | 79GIA | 01 |
| 6.6 | 0.3 | * | IENA | 81KOS | 01 |
| 6.8 | 0.4 | * | ITNA | 81KOS | 01 |
| 44. | | | ITNA | 79KUC | 01 |
| 44. | | 1 | IENA | 79KUC | 01 |
| 50. | 10. | | RTNA | 80SLO | 01 |
| 52. | 4. | | ITNA | 78LAU | 02 |
| 59. | 13. | | ITNA | 81KUL | 01 |
| 59. | 20. | | ITNA | 74RAN | 02 |
| 60. | | | ITNA | 80CRE | 01 |
| 60. | | | NAA | 77LAU | 01 |
| 69. | | 1 | IENA | 79KUC | 01 |
| 90. | 50. | * | VV | 81NON | 01 |
| Ti (ppm) | | | | | |
| 2.4 | 0.4 | * | CPAA | 77ZIK | 01 |
| 6.6 | 0.5 | * | ICPES | 79ABE | 01 |
| 7.6 | | * | ICPES | 78CAP | 01 |
| 14.2 | | | SSMS | 81VER | 02 |
| 17.2 | 0.3 | | COLOR | 82KIR | 02 |
| 18. | 8.5 | | EXRF | 79GIA | 01 |
| 26. | 3. | | 14NAA | 81WIL | 01 |
| 26. | | | SSMS | 78URE | 01 |
| 30. | 4. | | 14NAA | 81WIL | 02 |
| 40. | | | ITNA | 78LAU | 02 |
| 60. | | * | NAA | 77LAU | 01 |
| 96. | 12. | * | PAA | 78HIS | 01 |
| 191. | 33. | * | ITNA | 81HAB | 01 |
| Tl (ppb) | | | | | |
| | 20000. | L* | ITNA | 74RAN | 02 |
| 74. | | | FAA | 82HEI | 01 |
| 200. | 40. | | PAA | 80SEG | 01 |
| 300. | 100. | | PAA | 78HIS | 01 |

TABLE H (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Tm (ppb) | | | | | |
| | 10. | L* | RTNA | 77LAU | 02 |
| | 10. | D* | RTNA | 82LAU | 01 |
| 3.72 | 0.23 | | ITNA | 77NAD | 02 |
| 10. | | | SSMS | 78URE | 01 |
| U (ppb) | | | | | |
| | 20. | L* | RTNA | 80SLO | 01 |
| | 2000. | L* | EXRF | 79GIA | 01 |
| 18. | 3. | * | IENA | 79FAA | 01 |
| 25. | 5. | | PAA | 80SEG | 01 |
| 25. | 4. | 35 | RTNA | 75GLA | 01 |
| 25.2 | 1. | | RTNA | 78DER | 01 |
| 26. | 3. | | RTNA | 72BEC | 03 |
| 27. | 8. | | ITNA | 81KUL | 01 |
| 28. | 3. | 5 | RTNA | 80AUG | 01 |
| 28. | 2. | | NT | 72BEC | 03 |
| 28. | 3. | | IENA | 81KOS | 01 |
| 29. | 3. | 5 | RTNA | 80AUG | 01 |
| 30. | 1. | | IDMS | 72BEC | 03 |
| 30. | 4. | 13 | PAA | 81SEG | 01 |
| 30. | | 35 | DNA | 81GLA | 04 |
| 30. | 6. | 13 | PAA | 81SEG | 01 |
| 30.6 | 0.6 | 35 | DNA | 80GLA | 04 |
| 32. | 9. | | ITNA | 74WEA | 01 |
| 32. | 5. | | ITNA | 81KOS | 01 |
| 33. | 2. | | DNA | 83GLA | 01 |
| 56. | 9. | *35 | DNA | 81GLA | 03 |
| V (ppb) | | | | | |
| | 1000. | L* | NAA | 77LAU | 01 |
| | 8000. | L* | EXRF | 79GIA | 01 |
| | 600. | L* | RTNA | 72MOR | 03 |
| | 500. | L* | ITNA | 74RAN | 02 |
| 140. | 30. | 6* | ITNA | 74HOF | 01 |
| 340. | 20. | 11 | RTNA | 72LEV | 01 |
| 361. | 90. | | UU | 75WEL | 02 |
| 370. | 11. | | FAA | 77MYR | 01 |
| 377. | 10. | | RTNA | 80HEY | 01 |
| 390. | 980. | R* | ITNA | 79IMA | 01 |
| 390. | 980. | R* | ITNA | 79IMA | 03 |
| 400. | 100. | | ITNA | 77ZIK | 01 |
| 401. | 16. | | RTNA | 81COR | 02 |
| 401. | 16. | | RTNA | 79COR | 01 |
| 408. | 16. | | RTNA | 80HEY | 01 |
| 409. | 41. | | RTNA | 72DAM | 01 |
| 410. | 15. | | RTNA | 80HEY | 01 |
| 435. | 20. | | RTNA | 80HEY | 01 |
| 440. | 40. | | RTNA | 79BLO | 01 |
| 471. | 14. | 11 | RTNA | 78BYR | 01 |
| 480. | 28. | | COLOR | 82KIR | 01 |
| 500. | 150. | | RTNA | 77GUI | 03 |
| 530. | 50. | 11 | ICPES | 82JON | 01 |
| 535. | | | NAA | 80KOS | 02 |
| 535. | 30. | 11 | RTNA | 78BYR | 01 |
| 540. | 20. | 11 | ICPES | 82JON | 01 |
| 570. | 110. | | ITNA | 81HAB | 01 |
| 570. | 140. | 6 | ITNA | 74HOF | 01 |
| 580. | 130. | | ITNA | 77HAM | 01 |

TABLE H (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 580. | 70. | | ITNA | 75RIC | 01 |
| 580. | | | ITNA | 76BAT | 01 |
| 598. | 32. | | ITNA | 80HEY | 01 |
| 600. | 20. | | RTNA | 79BLO | 01 |
| 600. | 200. | | ITNA | 78LAU | 02 |
| 610. | 23. | | ITNA | 73PIE | 01 |
| 622. | 23. | 11 | RTNA | 72LEV | 01 |
| 643. | 129. | | RTNA | 76GUI | 01 |
| 700. | 100. | | ITNA | 79KOB | 03 |
| 750. | 110. | | VV | 81NON | 01 |
| 800. | | * | ITNA | 78CAP | 01 |
| 900. | 20. | * | ITNA | 76GAL | 01 |
| 2200. | 100. | * | ICPES | 79ABE | 01 |
| 300. | | 35 | ITNA | 81GLA | 03 |
| 640. | 310. | | UU | 75GUI | 01 |
| W (ppb) | | | | | |
| | 2000. | L* | RTNA | 72MOR | 03 |
| 16. | 4. | | RTNA | 80SLO | 01 |
| 20. | 7. | | RTNA | 77KUS | 01 |
| Y (ppb) | | | | | |
| | 1100. | L* | 14NAA | 81WIL | 02 |
| | 1100. | L* | 14NAA | 81WIL | 01 |
| | 1000. | L* | EXRF | 79GIA | 01 |
| 480. | | | SSMS | 78URE | 01 |
| Yb (ppb) | | | | | |
| | 50. | L* | ITNA | 78LAU | 02 |
| 11. | | | RTNA | 80SLO | 01 |
| 20. | | | SSMS | 78URE | 01 |
| 21. | 1. | | ITNA | 77NAD | 02 |
| 25. | | D* | RTNA | 82LAU | 01 |
| 25. | | | RTNA | 77LAU | 02 |
| 29. | 3. | | ITNA | 81KOS | 01 |
| 31. | 1. | | IENA | 81KOS | 01 |
| 40. | | | NAA | 77LAU | 01 |
| Zn (ppm) | | | | | |
| | 40. | L* | 14NAA | 81WIL | 02 |
| | 110. | L* | 14NAA | 81WIL | 01 |
| | 10000. | L* | ITNA | 80TOU | 01 |
| 12. | | * | EXRF | 82KEE | 01 |
| 13. | | * | OES | 75BOL | 02 |
| 15. | 3. | * | CPXRF | 77CAM | 01 |
| 17. | | * | AA | 76KRI | 03 |
| 17.1 | 2. | * | EXRF | 77FLO | 01 |
| 18. | | * | OES | 75JON | 09 |
| 19. | 4. | | ICPES | 79HER | 01 |
| 20. | 3. | | ITNA | 81KUL | 01 |
| 20. | 6. | | CPAA | 77ZIK | 01 |
| 21. | 1. | | ICPES | 79ABE | 01 |
| 21. | 2. | | ITNA | 75RIC | 01 |
| 21.7 | 2.8 | | ITNA | 81HAB | 01 |
| 22. | 3.1 | | CPXRF | 80KIR | 01 |
| 22. | | | ITNA | 79KUC | 01 |
| 22. | 1. | | EXRF | 80DYC | 01 |
| 22.5 | 0.8 | | AA | 76GAL | 01 |

TABLE H (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 23. | | | AA | 73LOO | 03 |
| 23. | | | EXRF | 81BIS | 01 |
| 23. | | | OES | 75JON | 02 |
| 23. | 1. | | RTNA | 77MEL | 01 |
| 23. | 2.1 | | XRF | 78LIN | 01 |
| 23. | | | ITNA | 78CAP | 01 |
| 23. | 1. | | RTNA | 76MEL | 03 |
| 23. | | | AE+AF | 79ULL | 01 |
| 23.1 | | | ICPES | 78CAP | 01 |
| 23.3 | 2.7 | | RTNA | 74RAV | 01 |
| 23.5 | 0.9 | 11 | ICPES | 82JON | 01 |
| 23.5 | 1.8 | | AA | 73THO | 01 |
| 23.7 | 0.8 | | EXRF | 73GIA | 01 |
| 23.75 | | | ITNA | 82AKA | 01 |
| 23.9 | 3.2 | | PAA | 80YAM | 01 |
| 24. | 0.4 | | VV | 81NON | 01 |
| 24. | 1. | | AA | 83GLA | 01 |
| 24. | | 1 | AA | 77FRY | 01 |
| 24. | | | FAA | 73SEG | 01 |
| 24. | 28. | R* | AA | 75MAN | 01 |
| 24. | 2. | 11 | AA | 78GAI | 01 |
| 24. | 1. | | RTNA | 74ORV | 01 |
| 24. | | | AA | 81ARA | 01 |
| 24. | 1. | 11 | AA | 78GAI | 01 |
| 24. | 3. | | AA | 77YAN | 01 |
| 24.2 | 1.5 | | PAA | 74CHA | 01 |
| 24.2 | 1.5 | | NAA | 77JER | 01 |
| 24.3 | 0.3 | 11 | ICPES | 82JON | 01 |
| 24.5 | 0.6 | | RTNA | 80SLO | 01 |
| 24.5 | 3. | | EXRF | 77NIE | 01 |
| 24.5 | | | XRF | 78CAM | 02 |
| 24.6 | 0.9 | | SSMS | 72MAG | 01 |
| 24.6 | | | RTNA | 79BYR | 01 |
| 24.7 | 2.2 | 6 | EXRF | 79MAT | 01 |
| 24.8 | 1.1 | | ITNA | 78GIL | 01 |
| 24.8 | 1.9 | | ITNA | 79SAT | 01 |
| 25. | | | ICPES | 81WEI | 01 |
| 25. | | | ITNA | 80CRE | 01 |
| 25. | 1. | 11 | ICPES | 82JON | 01 |
| 25. | | | RTNA | 72MOR | 03 |
| 25. | | | ITNA | 80SAT | 01 |
| 25. | | | OES | 75JON | 03 |
| 25. | 3. | | FAA | 82JEN | 02 |
| 25. | 1.6 | | EXRF | 73SPA | 01 |
| 25. | 1. | 11 | ICPES | 82JON | 01 |
| 25. | 3. | | ITNA | 78LAU | 02 |
| 25. | 2. | 9 | ITNA | 78LAU | 02 |
| 25. | 1. | | AA | 78RIT | 01 |
| 25.07 | 0.76 | | NAA | 76GUZ | 01 |
| 25.1 | 0.7 | | AF | 75EPS | 01 |
| 25.1 | 0.8 | | AA | 75EPS | 01 |
| 25.3 | | | SSMS | 81VER | 02 |
| 25.3 | 0.5 | | AA | 80AGE | 01 |
| 25.3 | 2.5 | 6 | EXRF | 79MAT | 01 |
| 25.3 | 2.1 | | EXRF | 79GIA | 01 |
| 25.5 | 1.1 | 6 | ITNA | 74BEC | 01 |
| 25.5 | | 11 | AA | 79HOE | 02 |
| 25.6 | 3.4 | | EXRF | 75REU | 01 |
| 25.6 | 7.64 | | AA | 79MON | 01 |
| 25.9 | | | FAA | 78CAP | 01 |
| 26. | 1. | 11 | ICPES | 82JON | 01 |
| 26. | 3.4 | | ITNA | 77HAM | 01 |

TABLE H (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 26. | 2.1 | | AA | 78LIN | 01 |
| 26. | 3. | | ICPES | 80SCH | 05 |
| 26. | 1. | | ICPES | 79MCQ | 01 |
| 26. | 1. | 11 | ICPES | 82JON | 01 |
| 26. | 5. | | AA | 75ABU | 01 |
| 26. | 1. | | ICPES | 79MCQ | 02 |
| 26. | 2. | 11 | ICPES | 82JON | 01 |
| 26. | | | NAA | 74BEL | 01 |
| 26. | 3. | | EXRF | 79KUE | 01 |
| 26. | 4. | | ITNA | 76KUC | 01 |
| 26. | | | OES | 75JON | 11 |
| 26. | 3. | | RTNA | 74CAR | 03 |
| 26. | | | OES | 75JON | 05 |
| 26. | | | OES | 75JON | 10 |
| 26. | 1.3 | 11 | AA | 75ISA | 01 |
| 26.1 | 2.2 | | ITNA | 82COR | 01 |
| 26.7 | 4.6 | 6 | ITNA | 74BEC | 01 |
| 26.8 | 1.2 | | ITNA | 81KOS | 01 |
| 26.9 | 1.2 | | RTNA | 73TJI | 01 |
| 27. | 7. | | ITNA | 77ZIK | 01 |
| 27. | | | AA | 79HIL | 01 |
| 27. | 2. | | RTNA | 77KUS | 01 |
| 27. | 1. | 11 | ICPES | 82JON | 01 |
| 27. | | | ICPES | 78DAH | 01 |
| 27. | 4. | | PAA | 76KAT | 04 |
| 27. | | | NAA | 77LAU | 01 |
| 27. | | | OES | 75JON | 06 |
| 27. | | 1 | AA | 77FRY | 01 |
| 27. | 2. | | RTNA | 74GOE | 01 |
| 27. | 3. | | PAA | 76KAT | 02 |
| 27. | 2. | | FAA | 74TAL | 01 |
| 27. | 2. | 7 | AA | 73TAL | 01 |
| 27.2 | 2.4 | | ITNA | 74RAN | 02 |
| 27.3 | 2.1 | | ITNA | 82QUR | 01 |
| 27.3 | 2.1 | | ITNA | 79AHM | 01 |
| 27.4 | 2.7 | | XRF | 74REU | 01 |
| 27.5 | | 11 | AA | 79HOE | 02 |
| 27.6 | 1.3 | | CPXRF | 81ROB | 02 |
| 28. | 5. | | FAA | 77LOR | 01 |
| 28. | 3. | | FAE | 74TAL | 01 |
| 28. | 1. | D* | DCP | 81REE | 01 |
| 28. | 1. | | DCP | 79REE | 01 |
| 28. | 3. | 7 | AE+AF | 73TAL | 01 |
| 28. | | | OES | 75ISA | 01 |
| 28.1 | | | CPXRF | 75CAM | 01 |
| 28.3 | 2.6 | 6 | POL | 72SIN | 01 |
| 28.3 | 0.8 | | ITNA | 79KOB | 03 |
| 28.5 | 0.8 | | ICPES | 81KNA | 01 |
| 29. | 5. | | NAA | 78GAN | 01 |
| 29. | 2. | | ITNA | 74GUI | 01 |
| 29. | 32. | R* | ITNA | 79IMA | 01 |
| 29. | 0.87 | 11 | AA | 75ISA | 01 |
| 29. | 32. | R* | ITNA | 79IMA | 03 |
| 29. | 1. | | FAA | 79KRA | 01 |
| 29.3 | 2.5 | | PAA | 76WIL | 01 |
| 29.5 | | 6 | AA | 72SIN | 01 |
| 29.6 | | 16 | AA | 79ABO | 01 |
| 29.6 | | 16 | AA | 79ABO | 01 |
| 29.63 | 1.8 | | ITNA | 79REN | 03 |
| 29.8 | | 6 | POL | 72SIN | 01 |
| 30. | 2. | 5 | ITNA | 80TOU | 01 |
| 30. | 2. | | AA | 79MCQ | 01 |

TABLE H (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 30. | 4. | | ITNA | 78FUR | 01 |
| 30. | 3. | | PAA | 80SEG | 01 |
| 30.5 | 1.2 | | RTNA | 76GAL | 01 |
| 31. | | | OES | 75JON | 04 |
| 32. | | | OES | 75JON | 07 |
| 34. | 3. | * | PAA | 78HIS | 01 |
| 35.6 | 11.4 | * | XRF | 77SMI | 04 |
| 38. | 6. | * | FAA | 77FUJ | 01 |
| 41. | | * | OES | 75JON | 08 |
| 45. | | * | XRF | 80SUZ | 02 |
| 56. | | * | CPAA | 78MCG | 01 |
| 56. | | * | CPXRF | 76ZEI | 01 |
| 77. | | * | EXRF | 81PAR | 01 |
| 81. | | * | OES | 75JON | 01 |
| Zr (ppm) | | | | | |
| | 5. | L* | 14NAA | 81WIL | 01 |
| | 3. | L* | EXRF | 79GIA | 01 |
| 1.3 | 0.3 | | PAA | 78HIS | 01 |
| 1.6 | 0.2 | 9 | ITNA | 78LAU | 02 |
| 2.1 | | | NAA | 77LAU | 01 |
| 3. | 1. | | 14NAA | 81WIL | 02 |
| 3.8 | | | CPAA | 77ZIK | 01 |
| 210. | 20. | * | PAA | 74CHA | 01 |

TABLE I

NBS SRM 1572—COLLECTED DATA

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Ca (%) | | | | | |
| 3.07 | 0.005 | 11 | AA | 75ISA | 01 |
| 3.14 | 0.005 | 11 | AA | 75ISA | 01 |
| Cu (ppm) | | | | | |
| 16. | 0.56 | 11 | AA | 75ISA | 01 |
| 17. | 0.14 | 11 | AA | 75ISA | 01 |
| Fe (ppm) | | | | | |
| 95. | 7.6 | 11 | AA | 75ISA | 01 |
| 96. | 8.6 | 11 | AA | 75ISA | 01 |
| K (ppm) | | | | | |
| 17800. | 4. | 11 | AA | 75ISA | 01 |
| 18000. | 11. | 11 | AA | 75ISA | 01 |
| Mg (ppm) | | | | | |
| 5600. | 1.7 | 11 | AA | 75ISA | 01 |
| 5700. | 3. | 11 | AA | 75ISA | 01 |
| Mn (ppm) | | | | | |
| 23. | 0.12 | 11 | AA | 75ISA | 01 |
| 25. | 0.5 | 11 | AA | 75ISA | 01 |
| U (ppb) | | | | | |
| 41. | | | DNA | 83GLA | 01 |
| Zn (ppm) | | | | | |
| 30. | 1.5 | 11 | AA | 75ISA | 01 |
| 31. | 0.62 | 11 | AA | 75ISA | 01 |

TABLE J

NBS SRM 1573—COLLECTED DATA

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Ag (ppb) | | | | | |
| 180. | 50. | | RTNA | 80SLO | 01 |
| Al (ppm) | | | | | |
| 182. | | | OES | 75JON | 02 |
| 228. | | | OES | 75JON | 11 |
| 280. | | | OES | 75JON | 07 |
| 286. | | | OES | 75JON | 08 |
| 296. | | | OES | 75JON | 06 |
| 356. | | | OES | 75JON | 03 |
| 382. | | | OES | 75JON | 04 |
| 391. | | | OES | 75JON | 09 |
| 495. | | | OES | 75JON | 05 |
| 835. | | | OES | 75JON | 01 |
| 1170. | 60. | 11 | ICPES | 82JON | 01 |
| 1225. | 239. | | ITNA | 77NAD | 02 |
| 1280. | | | ITNA | 82GLA | 02 |
| 1300. | 80. | | ITNA | 80SLO | 01 |
| As (ppb) | | | | | |
| 118. | 10. | 7* | FAA | 82HOE | 02 |
| 170. | 10. | 7* | FAA | 82HOE | 02 |
| 200. | 40. | | RTNA | 80SLO | 01 |
| 225. | 3. | | RTNA | 79HOE | 01 |
| 230. | 30. | 11 | HAA | 81RAP | 01 |
| 240. | | | IENA | 83GLA | 01 |
| 245. | 5. | 7 | FAA | 82HOE | 02 |
| 250. | 30. | 11 | HAA | 81RAP | 01 |
| 250. | 30. | | HAA | 81KNA | 01 |
| 260. | 30. | | ITNA | 77NAD | 02 |
| 260. | 80. | | HAA | 81YAN | 01 |
| 260. | 30. | 11 | HAA | 81RAP | 01 |
| 260. | | | HAA | 81ARA | 01 |
| 270. | | H | ICPES | 81PIC | 01 |
| 290. | 10. | 11 | HAA | 82JON | 01 |
| 290. | 10. | | COLOR | 77BUR | 01 |
| 290. | 20. | 11 | HAA | 82JON | 01 |
| 300. | 30. | | FAA | 80DUP | 01 |
| 310. | 10. | | HAA | 80TAM | 01 |
| 330. | 30. | * | IENA | 82GLA | 02 |
| Au (ppb) | | | | | |
| 0.8 | 0.1 | | RTNA | 80SLO | 01 |
| B (ppm) | | | | | |
| 25.5 | 1.1 | | ICPES | 79HER | 01 |
| 26. | | | OES | 75JON | 10 |
| 28. | | | OES | 75JON | 02 |
| 29. | | | OES | 75JON | 07 |
| 30. | | | OES | 75JON | 04 |
| 32. | 3. | 35 | TCGS | 81GLA | 04 |
| 32. | | | OES | 75JON | 06 |
| 32. | | | OES | 75JON | 01 |
| 32. | | | OES | 75JON | 03 |
| 35. | | | OES | 75JON | 09 |
| 36. | 3. | | TCGS | 82GLA | 02 |
| 37. | | | OES | 75JON | 05 |

TABLE J (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 37. | | | OES | 75JON | 08 |
| 42. | | * | OES | 75JON | 11 |
| Ba (ppm) | | | | | |
| 40. | | | OES | 75JON | 03 |
| 47. | | | OES | 75JON | 04 |
| 49. | | | OES | 75JON | 11 |
| 56.5 | 11.24 | | NAA | 76GUZ | 01 |
| 58. | | | OES | 75JON | 05 |
| 59. | | | OES | 75JON | 01 |
| 63. | 5. | | ITNA | 77NAD | 02 |
| 69. | 14. | | ITNA | 79REN | 03 |
| Br (ppm) | | | | | |
| 19. | 1.5 | 5 | ITNA | 80HOE | 01 |
| 19.8 | 0.6 | 5 | IENA | 79GLA | 02 |
| 20.1 | 1.2 | 5 | ITNA | 80HOE | 01 |
| 20.8 | 2.4 | | ITNA | 80SLO | 01 |
| 21. | 3. | | ITNA | 79REN | 03 |
| 21. | 1.2 | 5 | IENA | 79GLA | 02 |
| 21.9 | 0.2 | | ITNA | 77NAD | 02 |
| 25.31 | 1. | | ITNA | 77STE | 02 |
| 29. | 2. | *35 | NAA | 81GLA | 03 |
| 54. | | * | EXRF | 81PAR | 01 |
| C (%) | | | | | |
| 37.67 | 0.45 | | CB | 82GLA | 02 |
| 37.92 | 0.26 | | CB | 80SCH | 02 |
| Ca (%) | | | | | |
| 2.22 | 0.08 | | ITNA | 80SLO | 01 |
| 2.38 | | * | OES | 75JON | 04 |
| 2.4 | 0.07 | | ITNA | 79REN | 03 |
| 2.42 | | | OES | 75JON | 07 |
| 2.43 | | | OES | 75JON | 03 |
| 2.55 | | | OES | 75JON | 02 |
| 2.62 | | | OES | 75JON | 08 |
| 2.64 | | | OES | 75JON | 10 |
| 2.65 | 0.07 | 6 | EXRF | 79MAT | 01 |
| 2.705 | 0.206 | | NAA | 76GUZ | 01 |
| 2.75 | 0.005 | 11 | AA | 75ISA | 01 |
| 2.8 | | | OES | 75JON | 11 |
| 2.87 | 0.005 | 11 | AA | 75ISA | 01 |
| 2.91 | | | OES | 75JON | 05 |
| 2.92 | 0.08 | 6 | EXRF | 79MAT | 01 |
| 2.92 | | | OES | 75JON | 09 |
| 2.99 | 0.05 | 11 | ICPES | 82JON | 01 |
| 3.04 | 0.05 | 11 | ICPES | 82JON | 01 |
| 3.08 | 0.05 | 11 | ICPES | 82JON | 01 |
| 3.1 | | | ITNA | 82GLA | 02 |
| 3.1 | 0.03 | 11 | ICPES | 82JON | 01 |
| 3.19 | | | OES | 75JON | 06 |
| 3.28 | | | OES | 75JON | 01 |
| 3.41 | 0.09 | | ICPES | 79HER | 01 |
| 3.49 | 0.12 | * | ITNA | 77NAD | 02 |
| 5.82 | | * | EXRF | 81PAR | 01 |

TABLE J (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Cd (ppm) | | | | | |
| 1.6 | | *11 | FAA | 80PRE | 01 |
| 2.1 | | 6 | POL | 72SIN | 01 |
| 2.2 | | 11 | FAA | 80PRE | 01 |
| 2.3 | 0.1 | | FAA | 80LEG | 01 |
| 2.3 | | 11 | FAA | 80PRE | 01 |
| 2.3 | | 11 | FAA | 80PRE | 01 |
| 2.3 | | 11 | FAA | 80PRE | 01 |
| 2.3 | | | FAA | 80PRE | 01 |
| 2.4 | 0.01 | 11 | ICPES | 82JON | 01 |
| 2.4 | 0.22 | 6 | POL | 72SIN | 01 |
| 2.5 | | | FAA | 82PRE | 01 |
| 2.5 | | | ASV | 82GAJ | 01 |
| 2.55 | 0.09 | 11 | ICPES | 82JON | 01 |
| 2.56 | 0.06 | 11 | ICPES | 82JON | 01 |
| 2.6 | 0.1 | 11 | ICPES | 82JON | 01 |
| 2.7 | 0.4 | | RTNA | 80SLO | 01 |
| 2.7 | | | ASV | 74COP | 01 |
| 2.74 | 0.2 | | ASV | 82SAT | 02 |
| 2.8 | 0.2 | | AA | 80SCH | 05 |
| 2.8 | 0.2 | | FAA | 83GLA | 01 |
| 2.9 | 0.1 | | FAA | 81KNA | 01 |
| 3.3 | 0.2 | * | ICPES | 79HER | 01 |
| Ce (ppm) | | | | | |
| 1. | 0.1 | | RTNA | 80SLO | 01 |
| Cl (%) | | | | | |
| 1.04 | 0.02 | | ITNA | 80SLO | 01 |
| 1.05 | 0.072 | | ITNA | 77STE | 02 |
| 1.085 | 0.12 | | NAA | 76GUZ | 01 |
| 1.1 | 0.07 | | ITNA | 77NAD | 02 |
| Co (ppb) | | | | | |
| 400. | 106. | | NAA | 76GUZ | 01 |
| 467. | 25. | | ITNA | 77GUZ | 01 |
| 495. | | | FAA | 82HOE | 01 |
| 510. | 10. | 11 | FAA | 80FUD | 01 |
| 540. | 30. | | RTNA | 80SLO | 01 |
| 550. | 10. | 11 | FAA | 80FUD | 01 |
| 610. | 30. | | ITNA | 77NAD | 02 |
| 680. | 30. | | ITNA | 79REN | 03 |
| Cr (ppm) | | | | | |
| 2.28 | 0.06 | *11 | ICPES | 82JON | 01 |
| 3.1 | | 11 | AA | 79HOE | 02 |
| 3.107 | 1.08 | | NAA | 76GUZ | 01 |
| 3.7 | 0.3 | | ITNA | 82GLA | 02 |
| 3.8 | 0.3 | 35 | FAA | 81GLA | 03 |
| 3.8 | 0.2 | 11 | ICPES | 82JON | 01 |
| 3.9 | 0.3 | | ITNA | 77NAD | 02 |
| 3.94 | | 11 | AA | 79HOE | 02 |
| 4.3 | | | AA | 81ARA | 01 |
| 4.3 | | | FAA | 82HOE | 01 |
| 4.5 | 1.6 | | ITNA | 79REN | 03 |
| 4.6 | | 11 | AA | 79HOE | 02 |
| 5.9 | 0.2 | * | ICPES | 79HER | 01 |

TABLE J (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Cs (ppb) | | | | | |
| | 200. | L* | ITNA | 82GLA | 02 |
| 43. | 2. | | ITNA | 77NAD | 02 |
| 54. | 4. | | ITNA | 83GLA | 01 |
| 56. | 6. | | ITNA | 77GUZ | 01 |
| 140. | 30. | * | ITNA | 79REN | 03 |
| Cu (ppm) | | | | | |
| 3. | | * | AA | 81ARA | 01 |
| 7.7 | 0.5 | 6 | POL | 72SIN | 01 |
| 7.7 | | 6 | POL | 72SIN | 01 |
| 8.2 | 0.4 | 11 | ICPES | 82JON | 01 |
| 9. | | | OES | 75JON | 02 |
| 9.4 | | 6 | NAA | 72SIN | 01 |
| 9.5 | 0.2 | 11 | ICPES | 82JON | 01 |
| 9.8 | 0.4 | 11 | ICPES | 82JON | 01 |
| 10. | | | OES | 75JON | 03 |
| 10.1 | 0.4 | | RTNA | 74RAV | 01 |
| 10.4 | 0.6 | | VV | 80SCH | 05 |
| 10.4 | 0.2 | | ICPES | 79HER | 01 |
| 10.4 | 0.5 | 11 | ICPES | 82JON | 01 |
| 10.5 | 0.8 | | RTNA | 80SLO | 01 |
| 10.8 | 0.1 | | COLOR | 76ZAN | 02 |
| 10.81 | 0.02 | | COLOR | 77BUR | 01 |
| 10.9 | 0.1 | D* | AA | 76ZAN | 02 |
| 10.9 | 0.1 | | AA | 76ZAN | 01 |
| 11. | | | OES | 75JON | 04 |
| 11.2 | | 11 | AA | 79HOE | 02 |
| 11.5 | 0.2 | | AA | 76EPS | 02 |
| 12. | | 11 | AA | 79HOE | 02 |
| 12. | 0.17 | 11 | AA | 75ISA | 01 |
| 12. | 0.14 | 11 | AA | 75ISA | 01 |
| 12.2 | 1.3 | 6 | EXRF | 79MAT | 01 |
| 13. | | | OES | 75JON | 10 |
| 13.5 | 0.4 | | AA | 77GUZ | 01 |
| 14.1 | 5.64 | | NAA | 76GUZ | 01 |
| 14.1 | 1.3 | | ITNA | 77GUZ | 01 |
| 15. | | | OES | 75JON | 09 |
| 15. | | | OES | 75JON | 11 |
| 15. | | | OES | 75JON | 06 |
| 15. | | | OES | 75JON | 01 |
| 17. | | | OES | 75JON | 05 |
| 17. | | | OES | 75JON | 08 |
| 20. | | * | OES | 75JON | 07 |
| 25. | | * | EXRF | 81PAR | 01 |
| Eu (ppb) | | | | | |
| 15. | 2. | | ITNA | 77GUZ | 01 |
| 25. | 5. | | ITNA | 77NAD | 02 |
| 55. | 8. | | RTNA | 80SLO | 01 |
| F (ppm) | | | | | |
| 5. | 1. | | MS | 77STE | 02 |
| 5.7 | 0.2 | | ISE | 83KNA | 01 |
| 6. | 0.7 | | ISE | 83GLA | 01 |

TABLE J (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| **Fe (ppm)** | | | | | |
| 55. | | * | OES | 75JON | 01 |
| 162. | | * | OES | 75JON | 09 |
| 220. | | * | AA | 81ARA | 01 |
| 266. | | | OES | 75JON | 06 |
| 267. | | | OES | 75JON | 03 |
| 340. | | | OES | 75JON | 02 |
| 342. | | | OES | 75JON | 04 |
| 350. | | | OES | 75JON | 11 |
| 379. | | | OES | 75JON | 08 |
| 442. | 115. | 11 | AA | 75ISA | 01 |
| 463. | 157. | 11 | AA | 75ISA | 01 |
| 469.25 | 118.3 | | NAA | 76GUZ | 01 |
| 478. | | | OES | 75JON | 05 |
| 507.6 | 14.3 | | ITNA | 77GUZ | 01 |
| 531. | 14. | 11 | ICPES | 82JON | 01 |
| 534. | | | OES | 75JON | 10 |
| 552. | | | OES | 75JON | 07 |
| 568. | 3. | | ICPES | 79HER | 01 |
| 575. | 10. | 11 | COLOR | 82SCH | 03 |
| 597. | | 11 | COLOR | 82SCH | 03 |
| 604. | 11. | 11 | COLOR | 82SCH | 03 |
| 623. | 10. | 6 | EXRF | 79MAT | 01 |
| 625. | 14. | 11 | ICPES | 82JON | 01 |
| 642. | 17. | 11 | ICPES | 82JON | 01 |
| 658. | 18. | 11 | ICPES | 82JON | 01 |
| 661. | 14. | | ITNA | 77NAD | 02 |
| 665. | | 11 | AA | 79HOE | 02 |
| 670. | 50. | 35 | ITNA | 81GLA | 03 |
| 672. | | 11 | AA | 79HOE | 02 |
| 685. | 20. | | ICPES | 80SCH | 05 |
| 698. | | | VOLT | 81SZY | 01 |
| 706. | 12. | | ITNA | 79DAS | 01 |
| 706. | 12. | | RTNA | 80SLO | 01 |
| 730. | 90. | | ITNA | 79REN | 03 |
| 831. | 10. | 6* | EXRF | 79MAT | 01 |
| 1170. | | * | EXRF | 81PAR | 01 |
| **Fe(II) (ppm)** | | | | | |
| 540. | | | VOLT | 81SZY | 01 |
| **Fe(III) (ppm)** | | | | | |
| 158. | | | VOLT | 81SZY | 01 |
| **Ga (ppb)** | | | | | |
| 69.3 | 67. | | NAA | 76GUZ | 01 |
| **H (%)** | | | | | |
| 5. | 0.1 | 35 | TCGS | 79GLA | 04 |
| 5.1 | 0.2 | | CB | 82GLA | 02 |
| 5.14 | 0.07 | | CB | 80SCH | 02 |
| **Hg (ppb)** | | | | | |
| 90. | 8. | | ITNA | 77NAD | 02 |
| 91. | 11. | | CVAA | 82GLA | 02 |
| 128. | 118. | | NAA | 76GUZ | 01 |

TABLE J (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| **I (ppb)** | | | | | |
| 280. | 30. | | IENA | 82SAT | 01 |
| 300. | 100. | | PAA | 77WIL | 01 |
| 390. | 120. | | RTNA | 77STE | 02 |
| **In (ppb)** | | | | | |
| 0.96 | 0.08 | | RTNA | 74RAV | 01 |
| **K (%)** | | | | | |
| 3. | 0.29 | * | ICPES | 79HER | 01 |
| 3.8 | | | OES | 75JON | 02 |
| 3.81 | | | OES | 75JON | 10 |
| 3.85 | | | OES | 75JON | 07 |
| 4.055 | | 1 | AA | 78SZY | 01 |
| 4.15 | 0.08 | | ITNA | 79REN | 03 |
| 4.17 | | 1 | AA | 78SZY | 01 |
| 4.25 | | | OES | 75JON | 04 |
| 4.3 | 0.2 | 11 | ICPES | 82JON | 01 |
| 4.33 | | | OES | 75JON | 08 |
| 4.4 | 0.2 | 11 | ICPES | 82JON | 01 |
| 4.4 | 0.1 | 11 | ICPES | 82JON | 01 |
| 4.427 | 0.281 | | NAA | 76GUZ | 01 |
| 4.47 | 0.15 | | ITNA | 80SLO | 01 |
| 4.47 | 0.24 | | ITNA | 77NAD | 02 |
| 4.49 | | | ICPES | 79COO | 01 |
| 4.51 | | | OES | 75JON | 09 |
| 4.58 | | | OES | 75JON | 03 |
| 4.58 | 0.004 | 11 | AA | 75ISA | 01 |
| 4.6 | 0.2 | 11 | ICPES | 82JON | 01 |
| 4.6 | 0.008 | 11 | AA | 75ISA | 01 |
| 4.6 | | | OES | 75JON | 06 |
| 4.74 | | | OES | 75JON | 05 |
| 4.79 | 0.06 | 6 | EXRF | 79MAT | 01 |
| 4.8 | | | OES | 75JON | 11 |
| 5.16 | 0.06 | *6 | EXRF | 79MAT | 01 |
| 5.72 | | * | OES | 75JON | 01 |
| 9.24 | | * | EXRF | 81PAR | 01 |
| **La (ppb)** | | | | | |
| 346. | 79. | | NAA | 76GUZ | 01 |
| 640. | 40. | | ITNA | 77NAD | 02 |
| 770. | 110. | | RTNA | 80SLO | 01 |
| 800. | 200. | | ITNA | 79REN | 03 |
| **Lu (ppb)** | | | | | |
| 12. | 2. | | RTNA | 80SLO | 01 |
| **Mg (ppm)** | | | | | |
| 6000. | | | OES | 75JON | 08 |
| 6000. | 600. | | ITNA | 80SLO | 01 |
| 6100. | 600. | | ICPES | 79HER | 01 |
| 6300. | | | OES | 75JON | 09 |
| 6600. | | | OES | 75JON | 07 |
| 6700. | 200. | 11 | ICPES | 82JON | 01 |
| 6700. | 3. | 11 | AA | 75ISA | 01 |
| 6700. | 3. | 11 | AA | 75ISA | 01 |

TABLE J (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 6800. | | | OES | 75JON | 10 |
| 6900. | 200. | 11 | ICPES | 82JON | 01 |
| 6900. | | | OES | 75JON | 04 |
| 6900. | 200. | 11 | ICPES | 82JON | 01 |
| 7000. | | | OES | 75JON | 03 |
| 7000. | 200. | 11 | ICPES | 82JON | 01 |
| 7100. | | | OES | 75JON | 02 |
| 7300. | 100. | | ITNA | 77NAD | 02 |
| 7400. | | | OES | 75JON | 05 |
| 7400. | | | OES | 75JON | 06 |
| 7400. | | | OES | 75JON | 11 |
| 7800. | | * | OES | 75JON | 01 |
| **Mn (ppm)** | | | | | |
| 138. | | * | OES | 75JON | 07 |
| 189. | | | OES | 75JON | 04 |
| 189. | | | OES | 75JON | 10 |
| 197. | | | OES | 75JON | 09 |
| 198. | | | OES | 75JON | 06 |
| 200. | | | ITNA | 79REN | 03 |
| 209.18 | 9.93 | | NAA | 76GUZ | 01 |
| 209.2 | 11.9 | | ITNA | 77GUZ | 01 |
| 210. | | | OES | 75JON | 02 |
| 211.1 | 2.1 | | AA | 77GUZ | 01 |
| 215. | | | OES | 75JON | 11 |
| 216. | 17. | 11 | AA | 75ISA | 01 |
| 217. | 5. | 11 | ICPES | 82JON | 01 |
| 217. | | 11 | AA | 79HOE | 02 |
| 218. | 13. | 11 | AA | 75ISA | 01 |
| 221. | 5. | 11 | ICPES | 82JON | 01 |
| 222. | 5. | 11 | ICPES | 82JON | 01 |
| 223. | | 11 | AA | 79HOE | 02 |
| 223. | 7. | 6 | EXRF | 79MAT | 01 |
| 227. | | | OES | 75JON | 05 |
| 230. | 5. | 11 | ICPES | 82JON | 01 |
| 230. | | | OES | 75JON | 03 |
| 231. | 10. | | ITNA | 80SLO | 01 |
| 234. | 5. | | VV | 80SCH | 05 |
| 235. | 5. | | ICPES | 79HER | 01 |
| 238. | 17. | | ITNA | 77NAD | 02 |
| 241. | | | OES | 75JON | 08 |
| 251. | | | OES | 75JON | 01 |
| 266. | | * | ITNA | 82GLA | 02 |
| 266. | 8. | *6 | EXRF | 79MAT | 01 |
| 414. | | * | EXRF | 81PAR | 01 |
| **Mo (ppm)** | | | | | |
| 0.4 | 0.2 | 11 | ICPES | 82JON | 01 |
| 0.5 | 0.1 | 11 | ICPES | 82JON | 01 |
| 0.5 | 0.1 | 11 | ICPES | 82JON | 01 |
| 0.5 | 0.3 | 11 | ICPES | 82JON | 01 |
| 0.62 | 0.04 | | ITNA | 77NAD | 02 |
| 0.65 | 0.1 | | RTNA | 80SLO | 01 |
| 2.8 | | * | OES | 75JON | 10 |
| 4.2 | | * | OES | 75JON | 11 |
| 4.5 | | * | OES | 75JON | 03 |
| 11.7 | | * | OES | 75JON | 01 |
| 14.6 | | * | OES | 75JON | 07 |
| 17.9 | | * | OES | 75JON | 02 |

TABLE J (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| **N (%)** | | | | | |
| 4.9 | 0.2 | 35 | TCGS | 79GLA | 04 |
| 4.94 | 0.11 | | CB | 80SCH | 02 |
| 4.95 | 0.08 | | CB | 82GLA | 02 |
| **Na (ppm)** | | | | | |
| 350. | | | OES | 75JON | 04 |
| 388. | | | OES | 75JON | 02 |
| 459. | 46.1 | | NAA | 76GUZ | 01 |
| 475. | 25. | | ITNA | 80SLO | 01 |
| 488. | | 1 | AA | 78SZY | 01 |
| 500. | 200. | | ITNA | 79REN | 03 |
| 522. | 13. | | ITNA | 77NAD | 02 |
| 531. | | | OES | 75JON | 08 |
| 602. | | 1 | AA | 78SZY | 01 |
| 610. | | | OES | 75JON | 06 |
| 650. | | | OES | 75JON | 03 |
| 800. | | | OES | 75JON | 01 |
| 820. | | | OES | 75JON | 09 |
| 950. | | | OES | 75JON | 05 |
| 1090. | 70. | * | ITNA | 82SCH | 05 |
| 1600. | | * | OES | 75JON | 11 |
| **Nd (ppb)** | | | | | |
| 700. | 100. | | RTNA | 80SLO | 01 |
| **Ni (ppm)** | | | | | |
| 1.1 | 0.08 | 11 | ICPES | 82JON | 01 |
| 1.12 | 0.06 | 11 | ICPES | 82JON | 01 |
| 1.12 | 0.08 | 11 | ICPES | 82JON | 01 |
| 1.2 | 0.3 | | ITNA | 77NAD | 02 |
| 1.3 | 0.2 | 11 | ICPES | 82JON | 01 |
| 5.9 | 0.6 | * | ICPES | 79HER | 01 |
| 0.3 | 0.2 | * | RTNA | 80SLO | 01 |
| **P (ppm)** | | | | | |
| 2400. | | * | OES | 75JON | 04 |
| 2800. | | | OES | 75JON | 10 |
| 3100. | | | OES | 75JON | 07 |
| 3200. | 200. | 6 | FAA | 81LAN | 01 |
| 3200. | | | OES | 75JON | 05 |
| 3300. | 200. | 6 | FAA | 81LAN | 01 |
| 3300. | | | OES | 75JON | 09 |
| 3300. | | | OES | 75JON | 11 |
| 3300. | | | OES | 75JON | 06 |
| 3300. | | | OES | 75JON | 08 |
| 3320. | 160. | | ICPES | 810WE | 01 |
| 3400. | 100. | 11 | ICPES | 82JON | 01 |
| 3400. | | | FAA | 79EDI | 01 |
| 3400. | | | OES | 75JON | 03 |
| 3400. | | | ICPES | 79EDI | 01 |
| 3420. | 89.5 | | NAA | 76GUZ | 01 |
| 3500. | 200. | 6 | FAA | 81LAN | 01 |
| 3500. | 100. | 11 | ICPES | 82JON | 01 |
| 3500. | 100. | 11 | ICPES | 82JON | 01 |
| 3500. | 100. | 11 | ICPES | 82JON | 01 |
| 3700. | 100. | | ICPES | 79HER | 01 |

TABLE J (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 3800. | | | OES | 75JON | 02 |
| 5000. | | * | OES | 75JON | 01 |
| **Pb (ppm)** | | | | | |
| 3.2 | | *6 | POL | 72SIN | 01 |
| 4. | | | ASV | 74COP | 01 |
| 4.3 | 0.2 | 11 | ICPES | 82JON | 01 |
| 4.5 | 0.1 | 6 | POL | 72SIN | 01 |
| 4.9 | | 11 | FAA | 80PRE | 01 |
| 5. | 0.2 | 11 | ICPES | 82JON | 01 |
| 5.4 | | 6 | FAA | 81JAC | 01 |
| 5.5 | 0.4 | | FAA | 80LEG | 01 |
| 5.5 | | 11 | FAA | 79HOE | 02 |
| 5.6 | | 6 | FAA | 81JAC | 01 |
| 5.6 | 0.2 | | ASV | 82SAT | 02 |
| 5.7 | | 11 | FAA | 79HOE | 02 |
| 5.8 | | 6 | FAA | 81HIN | 01 |
| 5.8 | | 6 | FAA | 82KOI | 01 |
| 5.8 | | 6 | FAA | 81HIN | 01 |
| 5.8 | 0.8 | | HAA | 82WEI | 01 |
| 5.8 | | 6 | FAA | 82KOI | 01 |
| 5.9 | | 11 | FAA | 80PRE | 01 |
| 5.95 | 0.06 | | FAA | 79DAB | 02 |
| 6. | | 11 | FAA | 80PRE | 01 |
| 6. | | | ASV | 82GAJ | 01 |
| 6. | | | FAA | 82HOE | 01 |
| 6.1 | 0.3 | | AA | 80SCH | 05 |
| 6.1 | | 11 | FAA | 79HOE | 02 |
| 6.2 | 0.3 | | FAA | 81KNA | 01 |
| 6.2 | | | FAA | 80PRE | 01 |
| 6.3 | | 11 | FAA | 80PRE | 01 |
| 6.55 | 0.22 | | ASV | 80SZY | 01 |
| 6.6 | | | FAA | 82PRE | 01 |
| 7.1 | 0.9 | | FAA | 82WEI | 01 |
| 7.5 | | 11 | FAA | 80PRE | 01 |
| 8.3 | 1.1 | * | ICPES | 79HER | 01 |
| 15. | | * | EXRF | 81PAR | 01 |
| **Pr (ppb)** | | | | | |
| 190. | 40. | | RTNA | 80SLO | 01 |
| **Rb (ppm)** | | | | | |
| 15.16 | 1.35 | | NAA | 76GUZ | 01 |
| 15.21 | 2.3 | | ITNA | 79REN | 03 |
| 16.4 | 0.5 | | ITNA | 77GUZ | 01 |
| 16.5 | 0.7 | | ITNA | 77NAD | 02 |
| 22. | 3. | 35 | ITNA | 81GLA | 03 |
| 40. | | * | EXRF | 81PAR | 01 |
| **Sb (ppb)** | | | | | |
| 30. | 1. | | RTNA | 79HOE | 01 |
| 30. | 2. | | RTNA | 80KOS | 02 |
| 34. | | | HAA | 82KUE | 03 |
| 40. | 2. | | ITNA | 77NAD | 02 |
| 120. | 50. | * | ITNA | 79REN | 03 |

TABLE J (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| **Sc (ppb)** | | | | | |
| 138. | 7. | | ITNA | 77GUZ | 01 |
| 160. | 30. | | ITNA | 79REN | 03 |
| 170. | 3. | | ITNA | 77NAD | 02 |
| 208. | 89. | | NAA | 76GUZ | 01 |
| 220. | 30. | | RTNA | 80SLO | 01 |
| **Se (ppb)** | | | | | |
| | 100. | L* | HAA | 82JON | 01 |
| | 100. | L* | HAA | 82JON | 01 |
| 49. | 5. | | ITNA | 77NAD | 02 |
| 50. | 20. | | RTNA | 80KNA | 01 |
| 57. | 3. | 11 | GC | 81UCH | 02 |
| 61. | 2. | 11 | GC | 81UCH | 02 |
| 84. | 15. | 9 | ITNA | 80WAN | 01 |
| **Sm (ppb)** | | | | | |
| 110. | 15. | | RTNA | 80SLO | 01 |
| 200. | 90. | | ITNA | 79REN | 03 |
| **Sr (ppm)** | | | | | |
| 36. | 0.6 | | ICPES | 79HER | 01 |
| 38. | | | OES | 75JON | 03 |
| 38. | | | OES | 75JON | 04 |
| 45. | 1. | | ITNA | 77NAD | 02 |
| 54. | | | OES | 75JON | 01 |
| 65.5 | 5.84 | | NAA | 76GUZ | 01 |
| 102. | | * | EXRF | 81PAR | 01 |
| **Ta (ppb)** | | | | | |
| 430. | 300. | | ITNA | 79REN | 03 |
| **Tb (ppb)** | | | | | |
| 4. | 1. | | RTNA | 80SLO | 01 |
| **Th (ppb)** | | | | | |
| 190. | 20. | | ITNA | 77NAD | 02 |
| 220. | 30. | | RTNA | 80SLO | 01 |
| **Ti (ppm)** | | | | | |
| 68. | 9. | | ITNA | 77NAD | 02 |
| **U (ppb)** | | | | | |
| 20. | 20. | * | RTNA | 80SLO | 01 |
| 50.2 | 2.3 | | RTNA | 78DER | 01 |
| 54. | | | DNA | 83GLA | 01 |
| 60. | 120. | R* | DNA | 81GLA | 03 |
| 63. | 3. | 35 | DNA | 80GLA | 04 |

TABLE J (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| V (ppm) | | | | | |
| 1.19 | 0.01 | 11 | ICPES | 82JON | 01 |
| 1.27 | 0.035 | | RTNA | 78BYR | 01 |
| 1.3 | 0.2 | | ITNA | 77NAD | 02 |
| 1.42 | 0.08 | 11 | ICPES | 82JON | 01 |
| W (ppb) | | | | | |
| | 40. | L* | RTNA | 80SLO | 01 |
| Yb (ppb) | | | | | |
| 80. | 20. | | RTNA | 80SLO | 01 |
| Zn (ppm) | | | | | |
| 26. | | * | OES | 75JON | 09 |
| 29. | | * | ASV | 74COP | 01 |
| 48. | | * | OES | 75JON | 10 |
| 50. | | | OES | 75JON | 03 |
| 52. | 1. | 11 | ICPES | 82JON | 01 |
| 54. | 4. | | RTNA | 80SLO | 01 |
| 56. | 2. | 11 | ICPES | 82JON | 01 |
| 57. | 2. | 11 | ICPES | 82JON | 01 |
| 58. | | | OES | 75JON | 06 |
| 58. | | | OES | 75JON | 01 |
| 58.03 | 3.33 | | NAA | 76GUZ | 01 |
| 58.9 | | 11 | AA | 79HOE | 02 |
| 59. | 2. | 11 | ICPES | 82JON | 01 |
| 59. | | | OES | 75JON | 11 |
| 59. | 3. | 11 | ICPES | 82JON | 01 |
| 60. | | | OES | 75JON | 02 |
| 60. | 3. | 11 | ICPES | 82JON | 01 |
| 61. | | 6 | AA | 72SIN | 01 |
| 62. | 4. | | ITNA | 77NAD | 02 |
| 62. | 4 6 | | ITNA | 79REN | 03 |
| 62. | 3. | 11 | ICPES | 82JON | 01 |
| 62.5 | | | AA | 81ARA | 01 |
| 62.9 | | 6 | POL | 72SIN | 01 |
| 62.9 | 1.7 | 6 | POL | 72SIN | 01 |
| 63. | 2.5 | 11 | AA | 75ISA | 01 |
| 64. | 3. | 11 | ICPES | 82JON | 01 |
| 65. | 7. | | ICPES | 80SCH | 05 |
| 65. | | | OES | 75JON | 07 |
| 65. | | | OES | 75JON | 05 |
| 65. | 3.25 | 11 | AA | 75ISA | 01 |
| 68. | | 11 | AA | 79HOE | 02 |
| 72.8 | 2. | 6 | EXRF | 79MAT | 01 |
| 73. | 3. | | ICPES | 79HER | 01 |
| 75. | | * | OES | 75JON | 08 |
| 78. | 2.1 | *6 | EXRF | 79MAT | 01 |
| 86. | | * | OES | 75JON | 04 |
| 124. | | * | EXRF | 81PAR | 01 |

TABLE K

NBS SRM 1575—COLLECTED DATA

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Ag (ppb) | | | | | |
| 150. | 50. | | RTNA | 80SLO | 01 |
| Al (ppm) | | | | | |
| 255. | | * | OES | 75JON | 11 |
| 287. | | * | OES | 75JON | 02 |
| 405. | | | OES | 75JON | 06 |
| 449. | | | OES | 75JON | 07 |
| 465. | | | OES | 75JON | 05 |
| 473. | | | OES | 75JON | 08 |
| 483. | | | OES | 75JON | 04 |
| 521. | | | OES | 75JON | 03 |
| 526. | 17. | 11 | ICPES | 82JON | 01 |
| 565. | 44. | | ITNA | 77NAD | 02 |
| 582. | 47. | | CPXRF | 80KIR | 01 |
| 585. | | | AA | 81ARA | 01 |
| 620. | | 35 | ITNA | 81GLA | 03 |
| 750. | 200. | * | ITNA | 80SLO | 01 |
| 1243. | | * | OES | 75JON | 01 |
| As (ppb) | | | | | |
| 150. | 50. | | RTNA | 80SLO | 01 |
| 154. | 5. | 7 | FAA | 82HOE | 02 |
| 180. | 15. | 7 | FAA | 82HOE | 02 |
| 181. | 3. | | RTNA | 79HOE | 01 |
| 187. | 6. | 7 | FAA | 82HOE | 02 |
| 190. | 10. | 11 | HAA | 82JON | 01 |
| 190. | 30. | 11 | HAA | 82JON | 01 |
| 200. | 30. | | ITNA | 77NAD | 02 |
| 200. | 20. | 7 | RTNA | 77GIL | 03 |
| 210. | 10. | | COLOR | 77BUR | 01 |
| 215. | 6. | | HAA | 81UTH | 01 |
| 220. | 40. | | IENA | 82GLA | 02 |
| 230. | 20. | | FAA | 80DUP | 01 |
| 230. | | | HAA | 81ARA | 01 |
| 240. | 20. | 7 | RTNA | 77GIL | 03 |
| Au (ppb) | | | | | |
| 0.3 | 0.08 | | ITNA | 79REN | 03 |
| 0.9 | 0.1 | | RTNA | 80SLO | 01 |
| B (ppm) | | | | | |
| 13. | | | OES | 75JON | 08 |
| 13. | | | OES | 75JON | 09 |
| 13.3 | 0.7 | | ICPES | 79HER | 01 |
| 15. | | | OES | 75JON | 05 |
| 15. | | | OES | 75JON | 02 |
| 16. | 4. | | ITNA | 82SCH | 05 |
| 16.1 | 0.1 | | TCGS | 82GLA | 02 |
| 17. | 1. | 35 | TCGS | 81GLA | 04 |
| 17. | | | OES | 75JON | 01 |
| 18. | | | OES | 75JON | 07 |
| 19. | | | OES | 75JON | 06 |
| 20. | | | OES | 75JON | 03 |
| 20. | | | OES | 75JON | 11 |
| 20. | | | OES | 75JON | 04 |

TABLE K (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Ba (ppm) | | | | | |
| 3. | | | OES | 75JON | 03 |
| 6. | | | OES | 75JON | 05 |
| 6.1 | 0.4 | | ITNA | 77NAD | 02 |
| 7. | | | OES | 75JON | 11 |
| 7. | | | OES | 75JON | 04 |
| 8. | | | OES | 75JON | 01 |
| Br (ppm) | | | | | |
| 5.4 | 1.2 | | CPXRF | 80KIR | 01 |
| 6.1 | 0.09 | | ITNA | 79REN | 03 |
| 6.25 | 0.2 | | ITNA | 80HOE | 01 |
| 6.4 | 0.8 | 5 | IENA | 79GLA | 02 |
| 6.43 | 0.08 | | ITNA | 77NAD | 02 |
| 6.8 | 0.5 | 5 | IENA | 79GLA | 02 |
| 7.4 | 0.3 | | ITNA | 77STE | 02 |
| 8. | | | ITNA | 83GLA | 01 |
| 30. | | * | EXRF | 81PAR | 01 |
| C (%) | | | | | |
| 50.37 | 0.16 | | CB | 80SCH | 02 |
| 50.4 | 1.5 | 35 | CB | 79GLA | 04 |
| 50.7 | 0.9 | | CB | 82GLA | 02 |
| 54. | 2. | 35 | TCGS | 79GLA | 04 |
| Ca (ppm) | | | | | |
| 3100. | 200. | * | ITNA | 80SLO | 01 |
| 3300. | | * | OES | 75JON | 07 |
| 3700. | 500. | | CPXRF | 80KIR | 01 |
| 3800. | | | OES | 75JON | 05 |
| 3800. | | | OES | 75JON | 02 |
| 3800. | | | OES | 75JON | 11 |
| 3900. | | | OES | 75JON | 09 |
| 4000. | 100. | 11 | ICPES | 82JON | 01 |
| 4000. | | | OES | 75JON | 06 |
| 4090. | 20. | 11 | ICPES | 82JON | 01 |
| 4100. | 30. | 11 | ICPES | 82JON | 01 |
| 4110. | 30. | 11 | ICPES | 82JON | 01 |
| 4290. | 60. | | ICPES | 79HER | 01 |
| 4290. | 40. | | NM | 81YUZ | 01 |
| 4300. | 600. | | ITNA | 79REN | 03 |
| 4500. | 400. | | ITNA | 77NAD | 02 |
| 4600. | | | OES | 75JON | 03 |
| 4660. | | | AA | 83GLA | 01 |
| 4800. | | | OES | 75JON | 04 |
| 4900. | | | OES | 75JON | 01 |
| 5300. | | * | OES | 75JON | 08 |
| 13100. | | * | EXRF | 81PAR | 01 |
| Cd (ppb) | | | | | |
| 140. | 70. | 11 | ICPES | 82JON | 01 |
| 160. | 90. | 11 | ICPES | 82JON | 01 |
| 180. | 30. | | RTNA | 80SLO | 01 |
| 180. | 90. | 11 | ICPES | 82JON | 01 |
| 200. | | | FAA | 80PRE | 01 |
| 206. | 10. | | RTNA | 77DER | 01 |
| 210. | | | FAA | 82PRE | 01 |

TABLE K (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 220. | 30. | | FAA | 83GLA | 01 |
| 250. | 10. | | FAA | 80LEG | 01 |
| 260. | 10. | | ICPES | 79HER | 01 |
| 300. | 40. | | AA | 80SCH | 05 |
| 300. | 100. | 11 | ICPES | 82JON | 01 |
| 310. | 30. | | FAA | 81KNA | 01 |
| Ce (ppb) | | | | | |
| 150. | 30. | | RTNA | 80SLO | 01 |
| Cl (ppm) | | | | | |
| 243. | 20. | | ITNA | 77NAD | 02 |
| 280. | 30. | | ITNA | 80SLO | 01 |
| 510. | 120. | | CPXRF | 79REN | 02 |
| 551. | 37. | | ITNA | 77STE | 02 |
| Co (ppb) | | | | | |
| 110. | | | FAA | 82HOE | 01 |
| 110. | | | RTNA | 80SLO | 01 |
| 130. | 20. | | ITNA | 77NAD | 02 |
| 134. | 6. | | ITNA | 77GUZ | 01 |
| 340. | 180. | * | ITNA | 79REN | 03 |
| Cr (ppm) | | | | | |
| 1.3 | 0.2 | *11 | ICPES | 82JON | 01 |
| 2.25 | | 11 | AA | 79HOE | 02 |
| 2.25 | | 11 | AA | 79HOE | 02 |
| 2.39 | | 11 | AA | 79HOE | 02 |
| 2.41 | 0.11 | | ITNA | 77NAD | 02 |
| 2.6 | 0.2 | | ICPES | 81KNA | 01 |
| 2.6 | 0.1 | | ITNA | 82GLA | 02 |
| 2.8 | | | FAA | 82HOE | 01 |
| 2.9 | 0.2 | 11 | ICPES | 82JON | 01 |
| 3.1 | 0.6 | | ICPES | 79HER | 01 |
| 3.93 | 0.05 | * | ITNA | 79REN | 03 |
| Cs (ppb) | | | | | |
| | 200. | L* | ITNA | 82GLA | 02 |
| 101. | 3. | | ITNA | 77NAD | 02 |
| 104. | 4. | | ITNA | 83GLA | 01 |
| 115. | 7. | | ITNA | 77GUZ | 01 |
| 160. | 60. | | ITNA | 79REN | 03 |
| Cu (ppm) | | | | | |
| 0.7 | | * | OES | 75JON | 09 |
| 2. | | | OES | 75JON | 02 |
| 2.41 | 0.09 | | RTNA | 77DER | 01 |
| 2.5 | 0.3 | 11 | ICPES | 82JON | 01 |
| 2.7 | 0.2 | 11 | ICPES | 82JON | 01 |
| 2.8 | 0.3 | | FAE | 76EPS | 01 |
| 2.9 | 0.1 | | COLOR | 76ZAN | 02 |
| 2.9 | 0.2 | 11 | ICPES | 82JON | 01 |
| 2.9 | 0.1 | | COLOR | 76EPS | 01 |
| 2.94 | 0.01 | | COLOR | 77BUR | 01 |
| 3. | 0.15 | | ICPES | 81KNA | 01 |
| 3. | 0.5 | 11 | ICPES | 82JON | 01 |
| 3. | 0.52 | | CPXRF | 80KIR | 01 |

TABLE K (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 3. | 0.3 | | VV | 80SCH | 05 |
| 3. | 0.3 | D* | AA | 76ZAN | 02 |
| 3. | 0.3 | | AA | 76ZAN | 01 |
| 3.2 | 0.2 | D* | DCP | 81REE | 01 |
| 3.2 | 0.2 | | DCP | 79REE | 01 |
| 3.2 | 0.4 | | AA | 76EPS | 02 |
| 3.2 | 0.4 | | AA | 76EPS | 01 |
| 3.27 | 0.05 | | RTNA | 80SLO | 01 |
| 3.45 | | 11 | AA | 79HOE | 02 |
| 3.55 | | 11 | AA | 79HOE | 02 |
| 3.6 | 0.3 | | FAA | 82KRI | 01 |
| 4. | | | OES | 75JON | 04 |
| 4.1 | 0.8 | | ICPES | 79HER | 01 |
| 4.5 | | | OES | 75JON | 07 |
| 5. | | | OES | 75JON | 06 |
| 6. | | | OES | 75JON | 08 |
| 8. | | * | OES | 75JON | 03 |
| 8. | | * | OES | 75JON | 01 |
| 8. | | * | OES | 75JON | 05 |
| 8. | | * | OES | 75JON | 11 |
| 11. | | * | AA | 81ARA | 01 |
| 53. | | * | XRF | 80SUZ | 02 |
| **Eu (ppb)** | | | | | |
| 6. | 2.6 | | ITNA | 77GUZ | 01 |
| 6.5 | 0.8 | | ITNA | 77NAD | 02 |
| **F (ppm)** | | | | | |
| 2.5 | 0.3 | | ISE | 83KNA | 01 |
| 2.9 | 0.8 | | ISE | 83GLA | 01 |
| 3.7 | 0.8 | | MS | 77STE | 02 |
| **Fe (ppm)** | | | | | |
| 47. | | * | OES | 75JON | 09 |
| 106. | | * | OES | 75JON | 06 |
| 118. | | | OES | 75JON | 02 |
| 120. | | | OES | 75JON | 03 |
| 142. | | | OES | 75JON | 11 |
| 156. | | | OES | 75JON | 01 |
| 170. | 10. | | RTNA | 80SLO | 01 |
| 170. | 10. | | ITNA | 79DAS | 01 |
| 174. | 0.9 | 11 | COLOR | 82SCH | 03 |
| 174. | 6. | 11 | COLOR | 82SCH | 03 |
| 175. | 7. | 11 | ICPES | 82JON | 01 |
| 177. | 4. | 11 | ICPES | 82JON | 01 |
| 182. | | | OES | 75JON | 08 |
| 183. | 3. | | ICPES | 79HER | 01 |
| 185. | | 11 | AA | 79HOE | 02 |
| 185. | | 11 | AA | 79HOE | 02 |
| 188. | 17. | | CPXRF | 80KIR | 01 |
| 193. | | | OES | 75JON | 07 |
| 194. | 10. | | ICPES | 80SCH | 05 |
| 194. | 6. | 11 | COLOR | 82SCH | 03 |
| 194. | 4. | 11 | ICPES | 82JON | 01 |
| 195. | 10. | 11 | ICPES | 82JON | 01 |
| 195.7 | 5.4 | | ITNA | 77GUZ | 01 |
| 196. | 7. | | ITNA | 77NAD | 02 |
| 198. | 8. | | AF | 81HOR | 01 |
| 204. | 12. | | ICPES | 81KNA | 01 |

TABLE K (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 254. | | | OES | 75JON | 05 |
| 260. | | * | OES | 75JON | 04 |
| 280. | 50. | * | ITNA | 79REN | 03 |
| 595. | | * | AA | 81ARA | 01 |
| 790. | | * | EXRF | 81PAR | 01 |
| **H (%)** | | | | | |
| 6.39 | 0.07 | | CB | 80SCH | 02 |
| 6.5 | 0.1 | 35 | TCGS | 79GLA | 04 |
| 6.54 | 0.08 | | CB | 82GLA | 02 |
| **Hf (ppb)** | | | | | |
| 10. | | | RTNA | 80SLO | 01 |
| **Hg (ppb)** | | | | | |
| 121. | 6. | | ITNA | 77NAD | 02 |
| 133. | | 11 | CVAA | 79HOE | 02 |
| 147. | 8. | | CVAA | 82GLA | 02 |
| 157. | 18. | | CVAA | 80DUM | 01 |
| 160. | 20. | | RTNA | 80SLO | 01 |
| **I (ppb)** | | | | | |
| | 200. | L* | PAA | 77WIL | 01 |
| 140. | 20. | | IENA | 82SAT | 01 |
| 150. | 50. | | RTNA | 77STE | 02 |
| **K (ppm)** | | | | | |
| 2700. | | | OES | 75JON | 05 |
| 3200. | | | OES | 75JON | 09 |
| 3300. | 100. | | ICPES | 79HER | 01 |
| 3400. | 200. | 11 | ICPES | 82JON | 01 |
| 3500. | 500. | | CPXRF | 80KIR | 01 |
| 3530. | 80. | 11 | ICPES | 82JON | 01 |
| 3600. | 100. | | ITNA | 77NAD | 02 |
| 3600. | | | ICPES | 79000 | 01 |
| 3620. | 40. | 11 | ICPES | 82JON | 01 |
| 3700. | 200. | | ITNA | 79REN | 03 |
| 3700. | | | OES | 75JON | 03 |
| 3800. | | | OES | 75JON | 04 |
| 3850. | 80. | 11 | ICPES | 82JON | 01 |
| 4000. | 100. | | ITNA | 80SLO | 01 |
| 4000. | | | OES | 75JON | 01 |
| 4400. | | * | OES | 75JON | 02 |
| 5100. | | * | OES | 75JON | 06 |
| 5800. | | * | OES | 75JON | 11 |
| 6500. | | * | OES | 75JON | 07 |
| 9100. | | * | EXRF | 81PAR | 01 |
| **La (ppb)** | | | | | |
| 130. | 20. | | RTNA | 80SLO | 01 |
| 140. | 10. | | ITNA | 77NAD | 02 |
| 210. | 30. | | ITNA | 79REN | 03 |
| **Lu (ppb)** | | | | | |
| 1.3 | 0.3 | | RTNA | 80SLO | 01 |

TABLE K (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Mg (ppm) | | | | | |
| 900. | | | OES | 75JON | 09 |
| 1100. | 100. | | ICPES | 79HER | 01 |
| 1180. | 30. | 11 | ICPES | 82JON | 01 |
| 1190. | 20. | 11 | ICPES | 82JON | 01 |
| 1200. | 200. | | ITNA | 80SLO | 01 |
| 1200. | | | OES | 75JON | 07 |
| 1200. | 20. | 11 | ICPES | 82JON | 01 |
| 1200. | | | OES | 75JON | 01 |
| 1200. | 30. | 11 | ICPES | 82JON | 01 |
| 1200. | | | OES | 75JON | 06 |
| 1200. | | | OES | 75JON | 02 |
| 1300. | | | OES | 75JON | 03 |
| 1400. | | | OES | 75JON | 08 |
| 1500. | 200. | | ITNA | 77NAD | 02 |
| 1500. | | | OES | 75JON | 11 |
| 1600. | | | OES | 75JON | 05 |
| 1700. | | * | OES | 75JON | 04 |
| 2200. | 600. | * | CPXRF | 80KIR | 01 |
| Mn (ppm) | | | | | |
| 430. | | * | OES | 75JON | 09 |
| 448. | | * | OES | 75JON | 01 |
| 567. | | * | OES | 75JON | 06 |
| 570. | | * | OES | 75JON | 02 |
| 580. | | | OES | 75JON | 04 |
| 588. | | | OES | 75JON | 03 |
| 652. | 14. | 11 | ICPES | 82JON | 01 |
| 652. | 15. | 11 | ICPES | 82JON | 01 |
| 654. | 20. | | AA | 77GUZ | 01 |
| 655. | 13. | 11 | ICPES | 82JON | 01 |
| 657. | 7. | 11 | ICPES | 82JON | 01 |
| 660. | 28. | | ITNA | 77NAD | 02 |
| 668. | | | OES | 75JON | 05 |
| 670. | 6. | | ICPES | 79HER | 01 |
| 673. | 10. | D* | DCP | 81REE | 01 |
| 673. | 10. | | DCP | 79REE | 01 |
| 677. | 12. | | VV | 80SCH | 05 |
| 678. | 7. | | ICPES | 81KNA | 01 |
| 685. | 15. | | ITNA | 80SLO | 01 |
| 688. | | 11 | AA | 79HOE | 02 |
| 698. | | 11 | AA | 79HOE | 02 |
| 700. | 100. | | ITNA | 79REN | 03 |
| 727. | | | XRF | 80SUZ | 02 |
| 738. | | | OES | 75JON | 08 |
| 885. | | * | OES | 75JON | 07 |
| 2200. | | * | EXRF | 81PAR | 01 |
| Mo (ppm) | | | | | |
| 0.1 | | | RTNA | 80SLO | 01 |
| 0.1 | 0.1 | 11 | ICPES | 82JON | 01 |
| 0.13 | 0.06 | 11 | ICPES | 82JON | 01 |
| 0.2 | 0.1 | 11 | ICPES | 82JON | 01 |
| 0.2 | 0.1 | 11 | ICPES | 82JON | 01 |
| 1.5 | | | OES | 75JON | 11 |
| 1.7 | | | OES | 75JON | 01 |
| 2.5 | | | OES | 75JON | 07 |
| 3.6 | | * | OES | 75JON | 03 |
| 18.5 | | * | OES | 75JON | 02 |

TABLE K (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| N (%) | | | | | |
| 1.11 | 0.01 | | CB | 80SCH | 02 |
| 1.2 | 0.14 | | CB | 82GLA | 02 |
| 1.3 | 0.2 | 35 | TCGS | 79GLA | 04 |
| Na (ppm) | | | | | |
| | 45. | L* | ITNA | 80SLO | 01 |
| 18. | | | OES | 75JON | 06 |
| 20. | | | OES | 75JON | 03 |
| 26. | 4. | | ITNA | 77NAD | 02 |
| 30. | | | OES | 75JON | 09 |
| 40. | | | ITNA | 79REN | 03 |
| 70. | | | OES | 75JON | 11 |
| 71. | | | ITNA | 83GLA | 01 |
| 78. | | | OES | 75JON | 08 |
| 100. | | | OES | 75JON | 01 |
| 100. | | | OES | 75JON | 05 |
| 190. | | * | OES | 75JON | 04 |
| Nd (ppb) | | | | | |
| 200. | 100. | | RTNA | 80SLO | 01 |
| Ni (ppm) | | | | | |
| 2.07 | 0.07 | 11 | ICPES | 82JON | 01 |
| 2.2 | 0.2 | | ITNA | 77NAD | 02 |
| 2.2 | 0.1 | 11 | ICPES | 82JON | 01 |
| 2.24 | 0.06 | 11 | ICPES | 82JON | 01 |
| 2.3 | 0.2 | | RTNA | 80SLO | 01 |
| 2.3 | 0.2 | | ICPES | 79HER | 01 |
| 2.39 | 0.09 | 11 | ICPES | 82JON | 01 |
| 2.63 | | | VOLT | 81PIH | 01 |
| 2.7 | 1.1 | | CPXRF | 80KIR | 01 |
| 2.9 | 0.1 | * | DCP | 79REE | 01 |
| 2.9 | 0.1 | D* | DCP | 81REE | 01 |
| 4. | | * | FAA | 82HOE | 01 |
| P (ppm) | | | | | |
| 1000. | 300. | | CPXRF | 80KIR | 01 |
| 1000. | | | OES | 75JON | 04 |
| 1100. | | | FAA | 79EDI | 01 |
| 1100. | | | OES | 75JON | 09 |
| 1100. | | | ICPES | 79EDI | 01 |
| 1170. | 50. | | ICPES | 81OWE | 01 |
| 1170. | 40. | 11 | ICPES | 82JON | 01 |
| 1180. | 10. | | ICPES | 79HER | 01 |
| 1190. | 50. | 11 | ICPES | 82JON | 01 |
| 1190. | 20. | 11 | ICPES | 82JON | 01 |
| 1200. | | | OES | 75JON | 05 |
| 1260. | 20. | 11 | ICPES | 82JON | 01 |
| 1300. | | | OES | 75JON | 08 |
| 1300. | | | OES | 75JON | 06 |
| 1400. | | | OES | 75JON | 07 |
| 1400. | | | OES | 75JON | 11 |
| 1600. | | | OES | 75JON | 02 |
| 1800. | | * | OES | 75JON | 03 |
| 2100. | | * | OES | 75JON | 01 |

TABLE K (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Pb (ppm) | | | | | |
| 7.4 | 1.3 | * | CPXRF | 80KIR | 01 |
| 9.6 | 0.4 | 11 | ICPES | 82JON | 01 |
| 9.8 | | | FAA | 80PRE | 01 |
| 9.8 | 0.3 | 11 | ICPES | 82JON | 01 |
| 10.4 | | | FAA | 82PRE | 01 |
| 10.4 | | | ASV | 82GAJ | 01 |
| 10.5 | | 6 | FAA | 81HIN | 01 |
| 10.5 | | 6 | FAA | 82KOI | 01 |
| 10.8 | 0.6 | | FAA | 80LEG | 01 |
| 10.9 | 0.3 | | FAA | 81KNA | 01 |
| 10.93 | 0.91 | | ASV | 80SZY | 01 |
| 11. | 1. | | ICPES | 79HER | 01 |
| 11. | | 6 | FAA | 81HIN | 01 |
| 11. | 0.6 | | FAA | 79DAB | 02 |
| 11. | | 6 | FAA | 82KOI | 01 |
| 11. | | 11 | FAA | 79HOE | 02 |
| 11.1 | 0.3 | | AA | 80SCH | 05 |
| 11.2 | 1.1 | | HAA | 82WEI | 01 |
| 11.2 | | | FAA | 82HOE | 01 |
| 11.2 | | 11 | FAA | 79HOE | 02 |
| 13.9 | 1.2 | * | FAA | 82WEI | 01 |
| 33. | | * | EXRF | 81PAR | 01 |
| Pd (ppb) | | | | | |
| | 2. | L* | RTNA | 81BYR | 01 |
| Pr (ppb) | | | | | |
| | 70. | L* | RTNA | 80SLO | 01 |
| Rb (ppm) | | | | | |
| 11. | 0.2 | | ITNA | 77NAD | 02 |
| 12.22 | 0.85 | | ITNA | 77GUZ | 01 |
| 12.5 | 3.9 | | ITNA | 79REN | 03 |
| 13.1 | 2.6 | | CPXRF | 80KIR | 01 |
| 35. | | * | EXRF | 81PAR | 01 |
| S (ppm) | | | | | |
| 580. | 140. | | CPXRF | 79REN | 02 |
| 1500. | 300. | | CPXRF | 80KIR | 01 |
| Sb (ppb) | | | | | |
| 180. | 14. | | HAA | 79VIJ | 01 |
| 180. | 10. | | ITNA | 77NAD | 02 |
| 185. | 2. | | RTNA | 79HOE | 01 |
| 187. | 7. | | HAA | 78KUB | 02 |
| 190. | 10. | | RTNA | 80SLO | 01 |
| 198. | 3. | | RTNA | 80KOS | 02 |
| 220. | 10. | 7 | RTNA | 77GIL | 03 |
| 220. | 20. | 7 | RTNA | 77GIL | 03 |
| 1140. | 440. | * | ITNA | 79REN | 03 |
| Sc (ppb) | | | | | |
| 27. | 4. | | ITNA | 77GUZ | 01 |
| 42. | 2. | | ITNA | 77NAD | 02 |

TABLE K (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 53. | 8. | | ITNA | 79REN | 03 |
| 130. | | * | RTNA | 80SLO | 01 |
| Se (ppb) | | | | | |
| | 100. | L* | HAA | 82JON | 01 |
| | 100. | L* | HAA | 82JON | 01 |
| 43. | 1. | 11 | GC | 81UCH | 02 |
| 43. | 1. | 11 | GC | 81UCH | 02 |
| 44. | 8. | | ITNA | 77NAD | 02 |
| 50. | 10. | | RTNA | 80KNA | 01 |
| 53. | 10. | 9 | ITNA | 80WAN | 01 |
| 96. | 16. | * | RTNA | 82POL | 01 |
| Si (ppm) | | | | | |
| 248. | 36. | | CPXRF | 80KIR | 01 |
| Sm (ppb) | | | | | |
| 20. | 2. | | RTNA | 80SLO | 01 |
| 130. | 120. | | ITNA | 79REN | 03 |
| Sr (ppm) | | | | | |
| 4.7 | 0.2 | | AF | 81HOR | 01 |
| 4.9 | 0.1 | | ICPES | 79HER | 01 |
| 5. | | | OES | 75JON | 03 |
| 5.5 | 0.57 | | CPXRF | 80KIR | 01 |
| 10. | | | OES | 75JON | 04 |
| 20. | | * | OES | 75JON | 01 |
| Ta (ppm) | | | | | |
| 1.74 | 0.27 | | ITNA | 79REN | 03 |
| Tb (ppb) | | | | | |
| 60. | 10. | | RTNA | 80SLO | 01 |
| Th (ppb) | | | | | |
| 34. | 1. | | ITNA | 77NAD | 02 |
| 35. | 5. | | RTNA | 80SLO | 01 |
| U (ppb) | | | | | |
| 13. | 2. | | RTNA | 80SLO | 01 |
| 15. | | | DNA | 83GLA | 01 |
| 15. | 0.5 | | RTNA | 78DER | 01 |
| 18. | 6. | 35 | DNA | 80GLA | 04 |
| 20. | 48. | R* | DNA | 81GLA | 03 |
| V (ppb) | | | | | |
| 346. | 18. | | RTNA | 78BYR | 01 |
| 370. | 90. | 11 | ICPES | 82JON | 01 |
| 410. | 60. | 11 | ICPES | 82JON | 01 |
| 470. | 80. | | ITNA | 77NAD | 02 |
| W (ppb) | | | | | |
| 50. | 10. | | RTNA | 80SLO | 01 |

TABLE K (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Zn (ppm) | | | | | |
| 5. | | * | OES | 75JON | 09 |
| 51. | 9. | | CPXRF | 79REN | 02 |
| 52. | 1. | | ITNA | 77NAD | 02 |
| 53.5 | 2. | | RTNA | 80SLO | 01 |
| 57. | | | OES | 75JON | 11 |
| 60. | 3. | 11 | ICPES | 82JON | 01 |
| 60.3 | 1.3 | | RTNA | 77DER | 01 |
| 61. | 4. | 11 | ICPES | 82JON | 01 |
| 63. | 3. | 11 | ICPES | 82JON | 01 |
| 64. | 7. | | ICPES | 79HER | 01 |
| 64. | 4. | 11 | ICPES | 82JON | 01 |
| 65. | | | AA | 81ARA | 01 |
| 65. | 6. | | ITNA | 79REN | 03 |
| 65. | 4. | 11 | ICPES | 82JON | 01 |
| 66. | | | OES | 75JON | 06 |
| 67. | | | XRF | 80SUZ | 02 |
| 68. | 5. | 11 | ICPES | 82JON | 01 |
| 68. | | | OES | 75JON | 08 |
| 71. | 1. | D* | DCP | 81REE | 01 |
| 71. | 1. | | DCP | 79REE | 01 |
| 71. | 10. | 11 | ICPES | 82JON | 01 |
| 72. | | | OES | 75JON | 02 |
| 74. | 9. | 11 | ICPES | 82JON | 01 |
| 74. | | | OES | 75JON | 03 |
| 82. | | | OES | 75JON | 05 |
| 85. | | | OES | 75JON | 07 |
| 87. | | | OES | 75JON | 01 |
| 99. | 10. | * | ICPES | 80SCH | 05 |
| 110. | 12. | * | CPXRF | 80KIR | 01 |
| 141. | | * | OES | 75JON | 04 |

TABLE L

NBS SRM 1577—COLLECTED DATA

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Ag (ppb) | | | | | |
| | 130. | L* | RTNA | 76GAU | 01 |
| 5. | | *17 | UU | 74MAS | 01 |
| 40. | 8. | | RTNA | 79WAR | 02 |
| 51. | 11. | | RTNA | 77LIE | 01 |
| 51. | 11. | | RTNA | 75LIE | 01 |
| 60. | | | ITNA | 77OSB | 01 |
| 60. | 1. | | FAA | 75PIC | 01 |
| 65. | 5. | | RTNA | 80SLO | 01 |
| 65. | 10. | | SSMS | 77PAU | 01 |
| 66. | 21. | | ITNA | 79CHA | 04 |
| 68. | 6. | | ITNA | 78BEH | 01 |
| 72. | 13. | | AA | 80JAC | 01 |
| 80. | 6. | | ITNA | 79CHA | 02 |
| 91. | 26. | * | ITNA | 73COR | 01 |
| 194. | | *17 | UU | 74MAS | 01 |
| 300. | 100. | *34 | CPXRF | 78JOL | 01 |
| 400. | | * | OES | 75BOL | 02 |
| 2000. | 600. | * | RTNA | 74SCH | 03 |
| Al (ppm) | | | | | |
| | 15. | L* | ICPES | 78CAP | 01 |
| | 80. | L* | 14NAA | 81WIL | 02 |
| | 80. | L* | 14NAA | 81WIL | 01 |
| 1.8 | 0.2 | * | ITNA | 77GOO | 01 |
| 2.21 | 0.15 | * | ITNA | 82EHM | 01 |
| 5. | | | ICPES | 79MCQ | 01 |
| 6. | 3. | | ITNA | 83GLA | 01 |
| 6. | 2. | | ICPES | 79ABE | 01 |
| 7. | | 17 | UU | 74MAS | 01 |
| 8. | 0.6 | 11 | ICPES | 81BLA | 02 |
| 8.2 | 0.8 | 11 | ICPES | 81BLA | 02 |
| 11.3 | 2.9 | 6 | ITNA | 74HOF | 01 |
| 15.3 | 1.1 | | ITNA | 80SLO | 01 |
| 20.4 | 2.9 | 6 | ITNA | 74HOF | 01 |
| 20.8 | 0.7 | | RTNA | 77BUO | 01 |
| 23.4 | 0.6 | | RTNA | 79WAR | 02 |
| 23.6 | 2. | | ITNA | 79CHA | 02 |
| 30. | 65. | R* | ITNA | 79IMA | 01 |
| 30. | 65. | R* | ITNA | 79IMA | 03 |
| 37. | 6. | | ITNA | 77ZIK | 01 |
| 42. | 13. | | ITNA | 77HAM | 01 |
| 45.6 | | * | ITNA | 73NAD | 01 |
| 65. | | * | ITNA | 78CAP | 01 |
| As (ppb) | | | | | |
| | 100. | L* | HAA | 82JON | 01 |
| | 1300. | L* | 14NAA | 81WIL | 02 |
| | 200. | L* | EXRF | 77NIE | 01 |
| | 104. | L* | ITNA | 74NAD | 02 |
| | 100. | L* | ITNA | 73NAD | 01 |
| | 700. | L* | CPXRF | 77WIL | 02 |
| | 300. | L* | EXRF | 79GIA | 01 |
| | 1300. | L* | 14NAA | 81WIL | 01 |
| | 100. | L* | HAA | 82JON | 01 |
| 23. | 12. | | HAA | 82TAM | 01 |
| 30. | 15. | | IENA | 78WAN | 01 |
| 40. | 10. | | RTNA | 80SLO | 01 |

TABLE L (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 40. | 10. | | RTNA | 75ABU | 01 |
| 41. | | | HAA | 79EVA | 01 |
| 43.3 | | | HAA | 77IHN | 01 |
| 46. | 2. | | RTNA | 79HOE | 01 |
| 47. | 5. | | HAA | 82SUB | 01 |
| 49. | 6. | | HAA | 76FIO | 01 |
| 50. | 10. | | HAA | 80AGE | 02 |
| 50. | 10. | | HAA | 74LOO | 01 |
| 50. | | | HAA | 78WEL | 01 |
| 52. | 3. | 34 | HAA | 78FLA | 01 |
| 52. | 7. | | ITNA | 79CHA | 02 |
| 52. | 3. | | AA | 79FLA | 02 |
| 52.9 | 1.9 | H | RTNA | 79ORV | 01 |
| 53. | 2. | 7 | RTNA | 81KUC | 01 |
| 54. | 4. | | RTNA | 78GAL | 01 |
| 54. | 4. | | RTNA | 82BYR | 01 |
| 54. | 5. | | RTNA | 74HEN | 01 |
| 54. | 2. | | RTNA | 79WAR | 02 |
| 54. | | H | FAE | 79FEL | 01 |
| 54. | 5. | | RTNA | 79MAY | 01 |
| 55. | 3. | | NAA | 77GIL | 01 |
| 55. | 3. | | RTNA | 77GIL | 03 |
| 56. | 3. | | HAA | 81UTH | 01 |
| 56. | 4. | | RTNA | 75LIE | 01 |
| 56. | 4. | | RTNA | 77LIE | 01 |
| 56.6 | 1.2 | | NAA | 74HEY | 01 |
| 57. | | | ASV | 78DAV | 01 |
| 58. | 3. | | RTNA | 79HEI | 04 |
| 58. | 3. | | RTNA | 79ROS | 02 |
| 58.5 | 9. | | NAA | 76GUZ | 01 |
| 59. | | 7 | RTNA | 81KUC | 01 |
| 59. | | | RTNA | 75STE | 02 |
| 63. | 4. | | RTNA | 74ORV | 01 |
| 64. | | 17 | UU | 74MAS | 01 |
| 66. | | | ASV | 81LEE | 01 |
| 66. | 23. | | RTNA | 74SCH | 03 |
| 69. | | 17 | UU | 74MAS | 01 |
| 80. | 30. | | RTNA | 77TJI | 01 |
| 100. | 10. | | GCMES | 75TAL | 01 |
| 100. | | | ITNA | 77OSB | 01 |
| 150. | | | ICPES | 80HAA | 01 |
| 200. | 300. | *6 | CPXRF | 77WIL | 03 |
| 280. | 100. | *34 | CPXRF | 78JOL | 01 |
| 500. | | * | FAA | 78CAP | 01 |
| 600. | 500. | 6* | CPXRF | 77WIL | 03 |
| 290. | 110. | | ICPES | 80HAA | 01 |
| **Au (ppb)** | | | | | |
| | 0.5 | L* | RTNA | 80SLO | 01 |
| 0.23 | 0.16 | * | RTNA | 77TJI | 01 |
| 1.7 | 0.4 | | RTNA | 77KUS | 01 |
| 4.9 | 0.8 | | RTNA | 74SCH | 03 |
| 6. | 1. | | ITNA | 79CHA | 02 |
| 7. | 0.8 | | RTNA | 79WAR | 02 |
| 29.2 | 2.1 | * | RTNA | 77NAD | 01 |
| **B (ppm)** | | | | | |
| 2.24 | | 6 | AE+AF | 74DAU | 01 |
| 2.34 | | 6 | AE+AF | 74DAU | 01 |
| 3.2 | 0.2 | | TCGS | 79FAI | 01 |
| 4. | 1. | | ICPES | 79ABE | 01 |

TABLE L (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| **Ba (ppm)** | | | | | |
| | 20. | L* | 14NAA | 81WIL | 02 |
| | 30. | L* | ITNA | 78CAP | 01 |
| 0.12 | 0.13 | | RTNA | 76GAU | 01 |
| 0.13 | | | ICPES | 78DAH | 01 |
| 0.22 | 0.02 | | RTNA | 79WAR | 02 |
| 1.8 | 0.39 | | RTNA | 77GUI | 03 |
| 2.92 | | | ITNA | 73NAD | 01 |
| **Be (ppb)** | | | | | |
| | 3. | L* | ICPES | 82SCH | 01 |
| | 60. | L* | ICPES | 78CAP | 01 |
| 3. | 1. | 6 | ICPES | 82SCH | 01 |
| 5. | 3. | | FAA | 75OWE | 01 |
| 17. | 4. | | FLUOR | 77WIC | 01 |
| **Br (ppm)** | | | | | |
| | 9.9 | L* | ITNA | 80TOU | 01 |
| 4.3 | | *17 | UU | 74MAS | 01 |
| 4.7 | 0.8 | * | CPXRF | 77RIN | 01 |
| 6.1 | 0.6 | | CPXRF | 77WIL | 02 |
| 7.35 | | 17 | UU | 74MAS | 01 |
| 7.4 | 0.5 | | EXRF | 80DYC | 01 |
| 7.7 | 0.5 | 5 | ITNA | 80HOE | 01 |
| 7.8 | 0.1 | 5 | IENA | 79GLA | 02 |
| 8. | 1. | | RTNA | 77TJI | 01 |
| 8. | 0.5 | | RTNA | 76GAU | 01 |
| 8. | 0.1 | 5 | IENA | 79GLA | 02 |
| 8.22 | 0.4 | | RTNA | 79WAR | 02 |
| 8.4 | 0.6 | | ITNA | 83GLA | 01 |
| 8.5 | 1. | | ITNA | 79CHA | 02 |
| 8.5 | 9.9 | R* | ITNA | 79IMA | 03 |
| 8.5 | 9.9 | R* | ITNA | 79IMA | 01 |
| 8.6 | 0.4 | | NAA | 78GAN | 01 |
| 8.8 | 0.4 | | EXRF | 79GIA | 01 |
| 8.8 | 0.3 | 5 | ITNA | 80HOE | 01 |
| 8.8 | 1.4 | | EXRF | 77NIE | 01 |
| 8.9 | 2.1 | | ITNA | 77HAM | 01 |
| 9. | 1. | | CPXRF | 78VIS | 01 |
| 9. | 0.6 | | ITNA | 78BEH | 01 |
| 9. | 0.6 | | ITNA | 77JUR | 02 |
| 9.3 | | 1 | IENA | 79KUC | 01 |
| 9.3 | 0.8 | | ITNA | 80MAE | 01 |
| 9.3 | 3. | | CPXRF | 79REN | 02 |
| 9.34 | 0.82 | | ITNA | 74DON | 01 |
| 9.37 | | | ITNA | 73NAD | 01 |
| 9.4 | 0.4 | | XRF | 77SMY | 01 |
| 9.5 | | | ITNA | 80CRE | 01 |
| 9.5 | 1. | 6 | CPXRF | 77WIL | 03 |
| 9.7 | | 1 | IENA | 79KUC | 01 |
| 9.8 | | | ITNA | 79KUC | 01 |
| 10. | 1. | | CPXRF | 80MAE | 01 |
| 10. | 0.7 | | CPXRF | 82ROE | 02 |
| 10.4 | | | ITNA | 82AKA | 01 |
| 11. | 2.3 | | CPXRF | 80KIR | 01 |
| 11. | | | ITNA | 78CAP | 01 |
| 11. | 1. | 5 | ITNA | 80TOU | 01 |
| 11.1 | 1.6 | | RTNA | 74SCH | 03 |
| 12. | 4. | | ITNA | 77ZIK | 01 |
| 13.4 | | *17 | UU | 74MAS | 01 |
| 22. | 10. | * | ITNA | 77ZIK | 01 |

TABLE L (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| C (%) | | | | | |
| 49.6 | 1.5 | 35 | CB | 79GLA | 04 |
| 49.87 | 0.07 | | CB | 80SCH | 02 |
| 51. | 2. | 35 | TCGS | 79GLA | 04 |
| 52. | 2. | | TCGS | 79FAI | 01 |
| Ca (ppm) | | | | | |
| | 1000. | L* | 14NAA | 81WIL | 02 |
| | 420. | L* | 14NAA | 77VAN | 01 |
| | 200. | L* | ITNA | 73NAD | 01 |
| | 5000. | L* | 14NAA | 81WIL | 01 |
| 30. | | * | AE+AF | 79ULL | 01 |
| 71. | 23. | * | EXRF | 77NIE | 01 |
| 80. | 30. | | ITNA | 74WES | 01 |
| 90. | 13. | | CPXRF | 80MAE | 01 |
| 94. | 112. | | AA | 79MAN | 01 |
| 100. | 26. | | ITNA | 78FUR | 01 |
| 100. | 20. | | RTNA | 76GAU | 01 |
| 100. | | | CPXRF | 77WIL | 02 |
| 101. | | | AA | 79LOC | 01 |
| 103. | 12. | | CPXRF | 79MAN | 01 |
| 104. | | 17 | UU | 74MAS | 01 |
| 106. | 3.2 | | AA | 74WES | 01 |
| 107. | | | ITNA | 82AKA | 01 |
| 107. | 232. | R* | ITNA | 79IMA | 03 |
| 107. | 232. | R* | ITNA | 79IMA | 01 |
| 108. | 9. | | CPAA | 77ZIK | 01 |
| 114. | 2. | 1 | ICPES | 78SUD | 01 |
| 115. | 12. | | RTNA | 80CAN | 01 |
| 116. | 2. | 1 | AA | 77UCH | 02 |
| 116. | 2. | | AA | 80IID | 01 |
| 118. | 9. | 1 | ICPES | 78SUD | 01 |
| 119. | 2. | 1 | AA | 77UCH | 02 |
| 120. | 2. | 11 | ICPES | 82JON | 01 |
| 121. | 3. | 11 | ICPES | 82JON | 01 |
| 122. | | | ICPES | 80HAA | 01 |
| 122. | 7. | | ICPES | 79MCQ | 01 |
| 123. | 17. | | AA | 79MCQ | 01 |
| 124. | 10. | | ITNA | 79CHA | 02 |
| 124.67 | 8.48 | | NAA | 76GUZ | 01 |
| 125. | 13. | | RTNA | 79WAR | 02 |
| 125. | 8. | | ITNA | 75PIE | 01 |
| 127. | 7. | | AA | 80UCH | 01 |
| 127. | 12. | | ICPES | 79MCQ | 02 |
| 127. | 5. | | AA | 75HIN | 01 |
| 130. | 10. | | ITNA | 77ZIK | 01 |
| 130. | 30. | | ITNA | 83GLA | 01 |
| 131. | 9. | | CPXRF | 80KIR | 01 |
| 131. | 8. | | CPXRF | 78VIS | 01 |
| 131. | | | RTNA | 75STE | 02 |
| 134. | 18. | | ICPES | 79ABE | 01 |
| 135. | | | ICPES | 78DAH | 01 |
| 137.5 | 18. | | PAA | 76KAT | 04 |
| 140. | | | ICPES | 78CAP | 01 |
| 151. | 7.4 | * | CPXRF | 81ROB | 02 |
| 158. | 15. | * | EXRF | 80DYC | 01 |
| 309. | | * | ITNA | 78CAP | 01 |

TABLE L (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Cd (ppb) | | | | | |
| | 1600. | L* | OES | 75BOL | 02 |
| | 100. | L* | POL | 72SIN | 01 |
| | 2500. | L* | ICPES | 78CAP | 01 |
| | 100. | L* | POL | 72SIN | 01 |
| 210. | 42. | * | ASV | 79STO | 01 |
| 230. | | *11 | FAA | 75BLO | 01 |
| 240. | 10. | | FAA | 82SUZ | 01 |
| 240. | | 17 | UU | 74MAS | 01 |
| 246. | 56. | | NAA | 76GUZ | 01 |
| 250. | | | AA | 78EVA | 01 |
| 250. | 30. | | VV | 79CHA | 02 |
| 250. | 20. | | AF | 75EPS | 01 |
| 250. | | 11 | FAA | 75BLO | 01 |
| 253. | 24. | | AE+AF | 74RAI | 02 |
| 260. | | 11 | ASV | 81DAN | 01 |
| 260. | | | FAA | 82AKA | 01 |
| 260. | 30. | | RTNA | 80SLO | 01 |
| 260. | | | FAA | 75SLA | 01 |
| 260. | 30. | | FAA | 78PIE | 01 |
| 260. | 20. | | AA | 74ULL | 01 |
| 260. | 10. | | RTNA | 74ORV | 01 |
| 260. | 20. | | FAA | 79DAB | 02 |
| 260. | 30. | | RTNA | 74SCH | 03 |
| 266. | 27. | | RTNA | 79MAY | 01 |
| 266. | 20. | | FAA | 74RAI | 02 |
| 269. | 13. | | RTNA | 74ROO | 01 |
| 270. | 50. | | FAA | 81KNA | 01 |
| 270. | | | AA | 77FRI | 01 |
| 270. | 20. | | AA | 79WAR | 01 |
| 270. | 10. | 11 | AA | 81BLA | 03 |
| 270. | 20. | | AA | 75EPS | 01 |
| 270. | 30. | | AA | 79LAK | 01 |
| 270. | 60. | | TCGS | 79FAI | 01 |
| 270. | | 17 | UU | 74MAS | 01 |
| 270. | 80. | | FAA | 74GRO | 01 |
| 270. | | 17 | UU | 74MAS | 01 |
| 270. | | 17 | UU | 74MAS | 01 |
| 280. | 20. | | SSMS | 77PAU | 01 |
| 280. | | | FAA | 82HOE | 01 |
| 280. | 50. | 11 | AA | 81BLA | 03 |
| 280. | | | ASV | 74COP | 01 |
| 280. | 30. | | AA | 80SCH | 05 |
| 283. | 50. | | FAA | 79STO | 01 |
| 283. | | | RTNA | 75HAL | 01 |
| 283. | | 17 | UU | 74MAS | 01 |
| 288. | 29. | | RTNA | 80GRE | 01 |
| 288. | 26. | | FAA | 81ZAU | 01 |
| 288. | 35. | | RTNA | 77LIE | 01 |
| 288. | 35. | | RTNA | 75LIE | 01 |
| 290. | 10. | | FAA | 80LEG | 01 |
| 290. | 30. | | FAA | 83GLA | 01 |
| 290. | | | FAA | 80JAR | 01 |
| 290. | 30. | | FAA | 79WAR | 01 |
| 290. | 10. | | RTNA | 77BAJ | 02 |
| 290. | 20. | | NAA | 76DER | 01 |
| 290. | | 11 | ASV | 81DAN | 01 |
| 290. | 20. | | AA | 79FLA | 02 |
| 290. | | 17 | UU | 74MAS | 01 |
| 290. | 30. | | RTNA | 79DER | 01 |
| 290. | 13. | 7 | AA | 73TAL | 01 |

TABLE L (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 290. | | 17 | UU | 74MAS | 01 |
| 290. | 30. | | RTNA | 74HEN | 01 |
| 300. | 40. | 7 | RTNA | 81KUC | 01 |
| 300. | 20. | | RTNA | 77TJI | 01 |
| 300. | | | ASV | 82GAJ | 01 |
| 300. | | | ICPES | 80HAA | 01 |
| 300. | 70. | | AA | 80AGE | 01 |
| 300. | 20. | | RTNA | 78GAL | 01 |
| 300. | 50. | | AA | 75HIN | 01 |
| 300. | 23. | | AF | 75WOR | 01 |
| 300. | 25. | | FAA | 74TAL | 01 |
| 300. | 700. | | AA | 76LAN | 01 |
| 300. | 25. | 7 | AA | 73TAL | 01 |
| 300. | 30. | | RTNA | 76GAU | 01 |
| 300. | 18. | 7 | AA | 73TAL | 01 |
| 300. | 800. | 6 | FAA | 76LAN | 01 |
| 300. | 18. | | FAA | 74TAL | 01 |
| 310. | | 7 | RTNA | 81KUC | 01 |
| 310. | 50. | | FAA | 80POL | 01 |
| 310. | | | RTNA | 75STE | 02 |
| 310. | 20. | | FAA | 78GRO | 01 |
| 310. | | 11 | FAA | 81DAN | 01 |
| 320. | 130. | 6 | FAA | 76LAN | 01 |
| 320. | 40. | 11 | AA | 81BLA | 03 |
| 320. | | 11 | FAA | 81DAN | 01 |
| 337. | 58. | * | RTNA | 79PIA | 01 |
| 350. | 50. | *11 | ICPES | 82JON | 01 |
| 390. | 70. | *11 | ICPES | 82JON | 01 |
| 550. | 450. | * | AA | 79MON | 01 |
| 560. | 130. | *34 | CPXRF | 78JOL | 01 |
| Ce (ppb) | | | | | |
| | 3000. | L* | 14NAA | 81WIL | 01 |
| 13. | | 17 | UU | 74MAS | 01 |
| 18. | 4. | | RTNA | 80SLO | 01 |
| 21.5 | | | RTNA | 77LAU | 02 |
| 22. | | | RTNA | 82LAU | 01 |
| 46. | 14. | | RTNA | 76GAU | 01 |
| Cl (ppm) | | | | | |
| | 5400. | L* | 14NAA | 81WIL | 01 |
| 1880. | | *17 | UU | 74MAS | 01 |
| 2155. | 170. | *34 | CPXRF | 78JOL | 01 |
| 2410. | 600. | | EXRF | 77NIE | 01 |
| 2460. | | 35 | ITNA | 81GLA | 04 |
| 2480. | | 17 | UU | 74MAS | 01 |
| 2500. | 130. | 35 | ITNA | 81GLA | 03 |
| 2530. | | | ITNA | 78CAP | 01 |
| 2542. | 300. | | ITNA | 77ZIK | 01 |
| 2550. | 100. | | ITNA | 74WES | 01 |
| 2570. | 3110. | R* | ITNA | 79IMA | 01 |
| 2570. | 3110. | R* | ITNA | 79IMA | 03 |
| 2590. | | 17 | UU | 74MAS | 01 |
| 2610. | 200. | | ITNA | 79CHA | 02 |
| 2610. | | 17 | UU | 74MAS | 01 |
| 2615. | 192. | | RTNA | 74SCH | 03 |
| 2632. | 67. | | ITNA | 77GUI | 02 |
| 2632. | 67. | | NAA | 76MIL | 02 |
| 2650. | 100. | | ITNA | 80SLO | 01 |
| 2680. | 80. | | RTNA | 79WAR | 02 |
| 2685. | 165. | | PAA | 76KAT | 04 |

TABLE L (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 2690. | 170. | | EXRF | 80DYC | 01 |
| 2700. | 70. | | ITNA | 83GLA | 01 |
| 2750. | | | ITNA | 73NAD | 01 |
| 2750. | 110. | | ITNA | 78FUR | 01 |
| 2760. | | | ITNA | 82AKA | 01 |
| 2793. | 294.4 | | NAA | 76GUZ | 01 |
| 2830. | 200. | | NAA | 78GAN | 01 |
| 2900. | | | ITNA | 80CRE | 01 |
| 3000. | 100. | | TCGS | 79FAI | 01 |
| 3000. | 190. | | ITNA | 77HAM | 01 |
| 3200. | 800. | | CPXRF | 79REN | 02 |
| 3500. | 200. | * | 14NAA | 81WIL | 02 |
| 11663. | | *17 | UU | 74MAS | 01 |
| Co (ppb) | | | | | |
| | 6000. | L* | EXRF | 79GIA | 01 |
| 120. | | *17 | UU | 74MAS | 01 |
| 170. | 10. | | NAA | 78GAN | 01 |
| 170. | | | ITNA | 73NAD | 01 |
| 170. | 20. | | ITNA | 79CHA | 02 |
| 174. | | 17 | UU | 74MAS | 01 |
| 178. | 5. | | RTNA | 79WAR | 02 |
| 180. | 10. | | RTNA | 77GIL | 03 |
| 180. | 30. | | ITNA | 79WAR | 01 |
| 180. | 10. | | NAA | 77GIL | 01 |
| 188. | 27. | | NAA | 76GUZ | 01 |
| 190. | | 1 | IENA | 79KUC | 01 |
| 190. | 20. | 6 | ITNA | 74BEC | 01 |
| 200. | 16. | | FAA | 74WES | 01 |
| 203. | | | RTNA | 75STE | 02 |
| 210. | | | ITNA | 79KUC | 01 |
| 210. | 30. | | AA | 79FLA | 02 |
| 210. | 40. | | FAA | 79WAR | 01 |
| 210. | 20. | | ITNA | 74WES | 01 |
| 217. | 13. | | ITNA | 81KRI | 01 |
| 220. | | | RTNA | 75ABU | 01 |
| 223. | 11. | | RTNA | 77LIE | 01 |
| 223. | 11. | | RTNA | 75LIE | 01 |
| 225. | 7. | | COLOR | 82KIR | 01 |
| 225. | | 17 | UU | 74MAS | 01 |
| 230. | 20. | | RTNA | 80SLO | 01 |
| 230. | 20. | 6 | ITNA | 74BEC | 01 |
| 230. | 100. | | ITNA | 77ZIK | 01 |
| 233. | 5. | | RTNA | 79DER | 01 |
| 240. | 10. | | ITNA | 73COR | 01 |
| 240. | | | ITNA | 80CRE | 01 |
| 240. | | | CHEML | 79MIL | 01 |
| 240. | 37. | | ITNA | 77HAM | 01 |
| 240. | 14. | | IENA | 75MAZ | 01 |
| 240. | 30. | | ITNA | 78BEH | 01 |
| 240. | 20. | | RTNA | 74HEN | 01 |
| 245. | | 7 | RTNA | 81KUC | 01 |
| 247. | 31. | | ITNA | 81MOL | 01 |
| 248. | 25. | | ITNA | 79ZEI | 01 |
| 250. | 30. | | CHEML | 81MAR | 01 |
| 250. | | | ITNA | 82AKA | 01 |
| 257. | 2. | | ITNA | 74LIN | 01 |
| 260. | 7. | 7 | RTNA | 81KUC | 01 |
| 260. | 10. | | ITNA | 79SAT | 01 |
| 260. | 21. | | RTNA | 76GAU | 01 |
| 260. | | 17 | UU | 74MAS | 01 |
| 265. | | | AA | 79ABU | 01 |

TALBE L (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 269. | 30. | | AA | 80JAC | 01 |
| 275. | | | FAA | 82HOE | 01 |
| 280. | | | NAA | 79MIL | 01 |
| 290. | | | ITNA | 78CAP | 01 |
| 300. | | | ICPES | 80HAA | 01 |
| 300. | | | ITNA | 77OSB | 01 |
| 310. | 120. | | 14NAA | 81WIL | 02 |
| 310. | 60. | | RTNA | 74SCH | 03 |
| 310. | 120. | | 14NAA | 81WIL | 01 |
| 340. | | 17 | UU | 74MAS | 01 |
| 360. | 60. | | ITNA | 78FUR | 01 |
| 370. | 60. | * | RTNA | 77MEL | 01 |
| 390. | | *17 | UU | 74MAS | 01 |
| 400. | | * | FAA | 75SLA | 01 |
| 410. | 120. | * | RTNA | 77KUS | 01 |
| 246. | 14. | | RTNA | 77TJI | 01 |
| Cr (ppb) | | | | | |
| | 300. | L* | 14NAA | 81WIL | 01 |
| | 3400. | L* | AA | 79MON | 01 |
| | 100. | L* | RTNA | 77MEL | 01 |
| | 300. | L* | 14NAA | 81WIL | 02 |
| | 4000. | L* | EXRF | 79GIA | 01 |
| | 400. | L* | ITNA | 78CAP | 01 |
| 5. | 1600. | R* | VV | 77PAR | 01 |
| 22. | 10. | | ICPES | 81BLA | 01 |
| 35. | 4. | 11 | FAA | 80KUM | 01 |
| 35. | 3. | | GC | 81BLA | 01 |
| 44.9 | 5. | 11 | RTNA | 76PIE | 01 |
| 51. | | 17 | UU | 74MAS | 01 |
| 53. | 9. | | FAA | 74WOL | 01 |
| 60. | 12. | | AA | 80JAC | 01 |
| 60. | 30. | | RTNA | 74SCH | 03 |
| 72. | 8. | 11 | ICPES | 81BLA | 02 |
| 74. | 5. | | RTNA | 77LIE | 01 |
| 78.9 | | 11 | NAA | 79VER | 01 |
| 80.6 | | 11 | NAA | 79VER | 01 |
| 85. | 9. | | RTNA | 78GAL | 01 |
| 88. | | 7 | RTNA | 81KUC | 01 |
| 88. | 8. | 11 | FAA | 80KUM | 01 |
| 92. | 10. | 7 | RTNA | 81KUC | 01 |
| 92. | 9. | 11 | ICPES | 81BLA | 02 |
| 94. | 8. | 7 | FAA | 80CHA | 01 |
| 94.8 | 19.5 | 11 | RTNA | 76PIE | 01 |
| 98. | 5. | | RTNA | 75LIE | 01 |
| 115. | 42. | | RTNA | 79PLA | 01 |
| 120. | 70. | | ITNA | 78BEH | 01 |
| 120. | 40. | | AA | 79FLA | 02 |
| 123. | 6. | | RTNA | 77LIE | 01 |
| 130. | | 17 | UU | 74MAS | 01 |
| 130. | | | ITNA | 80CRE | 01 |
| 130. | 50. | | RTNA | 77TJI | 01 |
| 130. | 30. | | RTNA | 78GOE | 01 |
| 140. | | 17 | UU | 74MAS | 01 |
| 144. | 23. | 7 | FAA | 80CHA | 01 |
| 150. | 30. | | ITNA | 74DON | 01 |
| 150. | 10. | | NAA | 78GAN | 01 |
| 150. | | 17 | UU | 74MAS | 01 |
| 160. | 60. | | RTNA | 76GAU | 01 |
| 160. | 5. | 11 | RTNA | 78MCC | 01 |
| 163. | 10. | | RTNA | 74MCC | 01 |

TABLE L (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 180. | 100. | | CPXRF | 78VIS | 01 |
| 190. | 10. | | FAA | 79WAR | 01 |
| 200. | 20. | D* | DCP | 81REE | 01 |
| 200. | 20. | | DCP | 79REE | 01 |
| 210. | 31. | | ITNA | 74MCC | 01 |
| 210. | 40. | | ITNA | 79WAR | 01 |
| 210. | 30. | | ITNA | 78MCC | 01 |
| 210. | 70. | | RTNA | 79WAR | 02 |
| 210. | 2. | 11 | RTNA | 78MCC | 01 |
| 280. | 200. | | ITNA | 79SAT | 01 |
| 400. | 500. | 11 | ICPES | 82JON | 01 |
| 400. | 500. | 11 | ICPES | 82JON | 01 |
| 490. | | 17 | UU | 74MAS | 01 |
| 500. | 3500. | R* | ITNA | 73NAD | 01 |
| 540. | | 17 | UU | 74MAS | 01 |
| 600. | | | ITNA | 79KUC | 01 |
| 870. | 60. | | CHEML | 74LI | 01 |
| 1000. | 600. | *11 | RTNA | 76STE | 01 |
| 1160. | 600. | | ITNA | 76STE | 01 |
| 1300. | | *17 | UU | 74MAS | 01 |
| 1400. | 800. | *11 | RTNA | 76STE | 01 |
| 1570. | | *17 | UU | 74MAS | 01 |
| 1600. | 800. | *11 | RTNA | 76STE | 01 |
| 1700. | 900. | *11 | RTNA | 76STE | 01 |
| 1900. | 1000. | *11 | RTNA | 76STE | 01 |
| 2400. | 700. | | CPXRF | 77WIL | 02 |
| 61000. | 3000. | *11 | FAA | 80KUM | 01 |
| Cs (ppb) | | | | | |
| | 200. | L* | 14NAA | 81WIL | 02 |
| 11.5 | 1. | | ITNA | 81KRI | 01 |
| 12. | | | ITNA | 81MOL | 01 |
| 13. | 1. | | ITNA | 77JUR | 02 |
| 13. | 1. | | ITNA | 78BEH | 01 |
| 14. | 2. | | RTNA | 75LIE | 01 |
| 14.9 | 2.2 | | RTNA | 77LIE | 01 |
| 15. | 2. | | RTNA | 79WAR | 02 |
| 15. | | 17 | UU | 74MAS | 01 |
| 16. | 3. | | ITNA | 79SAT | 01 |
| 16. | 4. | | RTNA | 76GAU | 01 |
| 18. | 9. | | ITNA | 73COR | 01 |
| 19.2 | | 17 | UU | 74MAS | 01 |
| 24. | | * | ITNA | 80CRE | 01 |
| 35. | | * | ITNA | 73NAD | 01 |
| 44. | | *17 | UU | 74MAS | 01 |
| 130. | 30. | * | RTNA | 77MEL | 01 |
| Cu (ppm) | | | | | |
| | 6500. | L* | ITNA | 80TOU | 01 |
| 93. | 12. | *6 | ITNA | 74HOF | 01 |
| 138. | 18.8 | * | FAA | 74GRO | 01 |
| 146. | 40. | * | ITNA | 77ZIK | 01 |
| 148. | 19. | * | FAA | 77FUJ | 01 |
| 151. | 191. | R* | ITNA | 79IMA | 03 |
| 151. | 191. | R* | ITNA | 79IMA | 01 |
| 153. | | * | CPXRF | 78UEM | 01 |
| 154. | 43. | * | CPAA | 77ZIK | 01 |
| 161. | 12. | * | RTNA | 77KUS | 01 |
| 167. | | 17 | UU | 74MAS | 01 |
| 167. | | | XRF | 80SUZ | 02 |
| 168. | 8. | 1 | ICPES | 78SUD | 01 |

TABLE L (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 170. | 8. | | RTNA | 80SLO | 01 |
| 173. | | 17 | UU | 74MAS | 01 |
| 173.5 | 13.9 | 34 | CPXRF | 78JOL | 01 |
| 174. | 2. | | EXRF | 80DYC | 01 |
| 175. | | 17 | UU | 74MAS | 01 |
| 176. | 9. | 6 | ITNA | 74HOF | 01 |
| 177. | 19. | 5 | ITNA | 80TOU | 01 |
| 177. | 1. | | AA | 79MCQ | 01 |
| 177. | 7. | | RTNA | 77TJI | 01 |
| 180. | | 17 | UU | 74MAS | 01 |
| 180. | 8. | 11 | ICPES | 81BLA | 02 |
| 180. | 3. | | AA | 73TAL | 01 |
| 181. | 124. | | ITNA | 82KIM | 01 |
| 181. | | 17 | UU | 74MAS | 01 |
| 182. | 8. | 7 | RTNA | 81KUC | 01 |
| 182. | 6. | 1 | ICPES | 78SUD | 01 |
| 183. | 8. | 35 | RTNA | 77GLA | 01 |
| 183. | 19. | | CPXRF | 79MAN | 01 |
| 183. | 8. | | PAA | 76WIL | 01 |
| 184. | 5. | | SSMS | 77PAU | 01 |
| 185. | 9. | 11 | ICPES | 82JON | 01 |
| 185. | 7. | | RTNA | 78GAL | 01 |
| 185. | 6.8 | 11 | RTNA | 74WES | 01 |
| 185. | | | FAA | 78CAP | 01 |
| 186. | 2. | | ICPES | 79MCQ | 02 |
| 186. | 16. | | EXRF | 77NIE | 01 |
| 186. | 5.5 | 11 | FAA | 74WES | 01 |
| 186. | 5.5 | 6 | CPXRF | 77WIL | 03 |
| 187. | | 7 | RTNA | 81KUC | 01 |
| 187. | 2.3 | | AA | 80AGE | 01 |
| 187. | 4. | 11 | ICPES | 81BLA | 02 |
| 187. | 8. | | RTNA | 75LIE | 01 |
| 187. | 8. | | RTNA | 77LIE | 01 |
| 187. | 13. | | ITNA | 74DON | 01 |
| 187. | 6. | | ITNA | 78FUR | 01 |
| 187.4 | 15.5 | | AA | 79MON | 01 |
| 188. | 6. | | AA | 79FLA | 02 |
| 188. | 10. | | RTNA | 79WAR | 02 |
| 188. | 9. | | AA | 75HIN | 01 |
| 188. | 1. | | ICPES | 79MCQ | 01 |
| 188. | 9.8 | 11 | FAA | 74WES | 01 |
| 188. | 10. | | ITNA | 79WAR | 01 |
| 188. | 3. | | RTNA | 74HEN | 01 |
| 189. | | | ITNA | 82AKA | 01 |
| 189. | 12. | | CPXRF | 80KIR | 01 |
| 189. | 4. | 11 | ICPES | 82JON | 01 |
| 189. | 4. | | CPXRF | 81ROB | 02 |
| 189. | 6. | | FAA | 81CLE | 01 |
| 189. | 2. | 1 | AA | 77UCH | 02 |
| 189. | 2. | | AA | 80IID | 01 |
| 189. | 2. | 1 | AA | 77UCH | 02 |
| 189. | 7. | | ICPES | 78JAC | 01 |
| 190. | 3. | | FAA | 79WAR | 01 |
| 190. | | 11 | AA | 81MOH | 01 |
| 190. | 24. | | ITNA | 77HAM | 01 |
| 190. | 10. | | ICPES | 79ABE | 01 |
| 190. | 8. | | VV | 80SCH | 05 |
| 190. | 15. | | ASV | 81DOG | 01 |
| 191. | | 6 | NAA | 72SIN | 01 |
| 191. | 10.5 | | NAA | 76GUZ | 01 |
| 191. | 34. | | XRF | 77SMI | 04 |
| 191. | 6.2 | 11 | RTNA | 74WES | 01 |

TABLE L (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 191. | | 11 | FAA | 81DAN | 01 |
| 192. | 4. | | EXRF | 79GIA | 01 |
| 192. | 4. | | FAA | 81CLE | 02 |
| 192. | 9. | 6 | FAA | 76LAN | 01 |
| 193. | 14. | | RTNA | 77GIL | 03 |
| 193. | | 11 | FAA | 81DAN | 01 |
| 193. | 14. | | NAA | 77GIL | 01 |
| 194. | 31. | | AA | 79LAK | 01 |
| 194. | 13. | 6 | CPXRF | 77WIL | 03 |
| 194. | | | FAA | 75SLA | 01 |
| 194. | | 17 | UU | 74MAS | 01 |
| 194. | 1. | | AA | 75ABU | 01 |
| 194. | | 17 | UU | 74MAS | 01 |
| 195. | 10. | | ICPES | 81KNA | 01 |
| 195. | 4. | | AA | 80UCH | 01 |
| 195. | 3. | | AA | 79WAR | 01 |
| 195. | | 6 | POL | 72SIN | 01 |
| 195. | 5. | | RTNA | 76GAU | 01 |
| 195. | | | AE+AF | 79ULL | 01 |
| 196. | 8. | | CPXRF | 77WIL | 02 |
| 196. | 9. | | AA | 81KRI | 01 |
| 196. | 28. | | RTNA | 82KIM | 01 |
| 196. | 9. | | FAA | 75SME | 01 |
| 196. | 14.7 | | RTNA | 79PLA | 01 |
| 196. | 6. | 6 | FAA | 76LAN | 01 |
| 197. | 16. | | CPXRF | 80MAE | 01 |
| 197. | 13. | 6 | POL | 72SIN | 01 |
| 197. | 4. | | ITNA | 79SAT | 01 |
| 197. | | | NAA | 78GAN | 01 |
| 198. | 9. | | ITNA | 79CHA | 02 |
| 198. | | | AA | 80EVA | 01 |
| 199. | 12. | | ITNA | 83GLA | 01 |
| 199. | 6. | | ITNA | 80MAE | 01 |
| 200. | | 11 | AA | 81MOH | 01 |
| 200. | 2. | | RTNA | 79DER | 01 |
| 201. | | | ICPES | 78DAH | 01 |
| 201.7 | 7.9 | | RTNA | 77BUO | 01 |
| 204. | 9. | | CPXRF | 78VIS | 01 |
| 204. | | | ICPES | 80HAA | 01 |
| 205. | | 6 | AA | 72SIN | 01 |
| 206. | 5. | | RTNA | 74RAV | 01 |
| 207. | | 11 | ASV | 81DAN | 01 |
| 208. | 11. | | AA | 76LAN | 01 |
| 208. | 27. | | RTNA | 74SCH | 03 |
| 210. | | | ICPES | 78CAP | 01 |
| 210. | 12.5 | | FAA | 75PIC | 01 |
| 213. | | 17 | UU | 74MAS | 01 |
| 216. | 22. | 32 | CPXRF | 77CRO | 01 |
| 216. | | 11 | ASV | 81DAN | 01 |
| 241. | 45. | * | CPAA | 78MCG | 01 |
| 241. | 54. | *32 | CPXRF | 77CRO | 01 |
| 241. | 65. | * | CPXRF | 76ZEI | 01 |
| 270. | 90. | * | 14NAA | 81WIL | 02 |
| 277. | 14. | * | AA | 79MAT | 02 |
| 394. | 3. | * | AA | 81UCH | 01 |

Dy (ppb)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 2.4 | 0.8 | | RTNA | 76GAU | 01 |

TABLE L (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Er (ppb) | | | | | |
| | 0.5 | L* | RTNA | 82LAU | 01 |
| | 0.5 | L* | RTNA | 76GAU | 01 |
| 0.5 | | | RTNA | 77LAU | 02 |
| Eu (ppb) | | | | | |
| 0.235 | 0.024 | | RTNA | 76GAU | 01 |
| 0.35 | | | RTNA | 77LAU | 02 |
| 0.35 | | | RTNA | 82LAU | 01 |
| 3. | | | ITNA | 78CAP | 01 |
| 140. | | * | ITNA | 80CRE | 01 |
| 310. | | * | ITNA | 73NAD | 01 |
| F (ppb) | | | | | |
| | 350000. | L* | 14NAA | 81WIL | 01 |
| 40. | 20. | | ISE | 83KNA | 01 |
| 120. | | | ISE | 83GLA | 01 |
| Fe (ppm) | | | | | |
| 110. | 5. | * | AA | 75HIN | 01 |
| 132. | | *17 | UU | 74MAS | 01 |
| 137. | 5. | * | 14NAA | 81WIL | 01 |
| 155. | 49. | *11 | AA | 78GOR | 01 |
| 186. | 37. | * | AA | 79MAN | 01 |
| 205. | | * | CPXRF | 78UEM | 01 |
| 209. | 28. | *11 | ICPES | 82JON | 01 |
| 220. | 16. | | RTNA | 77MEL | 01 |
| 226. | | 17 | UU | 74MAS | 01 |
| 229. | | 17 | UU | 74MAS | 01 |
| 230. | 37. | | FAA | 77FUJ | 01 |
| 236. | 5. | | RTNA | 75LIE | 01 |
| 236. | 5. | | RTNA | 77LIE | 01 |
| 240. | | 17 | UU | 74MAS | 01 |
| 240. | 7. | | EXRF | 80DYC | 01 |
| 240. | 12. | | RTNA | 77TJI | 01 |
| 241. | 8. | 1 | ICPES | 78SUD | 01 |
| 242. | | 17 | UU | 74MAS | 01 |
| 243. | 14. | | FAA | 81CLE | 02 |
| 244. | 6. | | ICPES | 79MCQ | 01 |
| 244. | 2. | | ICPES | 79MCQ | 02 |
| 244. | 10. | | AA | 79MCQ | 01 |
| 247.3 | | | AA | 79LOC | 01 |
| 248. | 16. | | CPXRF | 80MAE | 01 |
| 249. | | | RTNA | 75STE | 02 |
| 250. | 22. | | ITNA | 77HAM | 01 |
| 250. | 12. | | CPXRF | 78VIS | 01 |
| 252. | 25. | | ICPES | 81BLA | 01 |
| 252. | | | ITNA | 79KUC | 01 |
| 253. | | | FAA | 78CAP | 01 |
| 254. | | | ICPES | 78CAP | 01 |
| 255. | 8. | | ITNA | 79SAT | 01 |
| 255. | 30. | | ITNA | 78FUR | 01 |
| 255. | 15. | | ITNA | 79ZEI | 01 |
| 256. | 3. | | AA | 80IID | 01 |
| 256. | | | OES | 75BOL | 02 |
| 256. | 3. | 1 | AA | 77UCH | 02 |
| 256. | 32. | | CPXRF | 79MAN | 01 |
| 257. | 30. | 32 | CPXRF | 77CRO | 01 |

TABLE L (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 257. | | | ITNA | 78CAP | 01 |
| 258. | | 7 | RTNA | 81KUC | 01 |
| 258. | 10. | 11 | ICPES | 82JON | 01 |
| 259. | 12. | 11 | ICPES | 81BLA | 02 |
| 260.9 | 12.89 | | NAA | 76GUZ | 01 |
| 262. | | | ITNA | 73NAD | 01 |
| 262. | 7. | | ICPES | 78JAC | 01 |
| 262. | 13. | | ICPES | 79ABE | 01 |
| 262. | 10. | | FAA | 81CLE | 01 |
| 263. | 12. | | CPXRF | 81ROB | 02 |
| 264. | 3. | 11 | ICPES | 82JON | 01 |
| 264. | 29. | | ITNA | 78BEH | 01 |
| 264. | 6. | 11 | ICPES | 82JON | 01 |
| 265. | 19. | | ITNA | 81KRI | 01 |
| 265. | 5. | | GC | 81BLA | 01 |
| 265. | 11. | | RTNA | 79WAR | 02 |
| 265. | 25. | | NAA | 78GAN | 01 |
| 265. | 16. | | ITNA | 74WES | 01 |
| 265. | 30. | | ITNA | 79CHA | 02 |
| 266. | 9. | | ICPES | 80SCH | 05 |
| 266. | 10. | 11 | AA | 74WES | 01 |
| 266. | 10. | 11 | AA | 78GOR | 01 |
| 266. | 5. | 11 | ICPES | 81BLA | 02 |
| 267. | 5. | | EXRF | 79GIA | 01 |
| 268. | 24. | | EXRF | 77NIE | 01 |
| 268. | 38. | | VV | 79LAK | 01 |
| 268. | 25. | 1 | ICPES | 78SUD | 01 |
| 269. | 10. | | ICPES | 81KNA | 01 |
| 270. | | | ICPES | 78DAH | 01 |
| 270. | 47. | | ITNA | 74DON | 01 |
| 270. | 12. | | ITNA | 73COR | 01 |
| 270. | 20. | | NAA | 77GIL | 01 |
| 270. | 12. | | COLOR | 78GOR | 01 |
| 271. | 27. | | ITNA | 81MOL | 01 |
| 271.5 | 11.5 | 34 | CPXRF | 78JOL | 01 |
| 272. | 3. | | AA | 82TIN | 01 |
| 272. | 15. | 7 | RTNA | 81KUC | 01 |
| 272. | 71. | | XRF | 77SMI | 04 |
| 272. | 27. | | RTNA | 76GAU | 01 |
| 272. | 9.5 | 11 | AA | 74WES | 01 |
| 273. | 9. | | FAA | 81CHA | 01 |
| 273. | 8.5 | 6 | CPXRF | 77WIL | 03 |
| 273. | 5. | | ITNA | 80MAE | 01 |
| 274. | 5. | | AA | 80UCH | 01 |
| 274.5 | 28. | | PAA | 76KAT | 04 |
| 276. | 2. | 1 | AA | 77UCH | 02 |
| 276. | | | FAA | 75SLA | 01 |
| 277. | 2. | | ITNA | 74LIN | 01 |
| 277.9 | 16.7 | 6 | ITNA | 74BEC | 01 |
| 278. | | | AA | 80EVA | 01 |
| 278. | 14. | | CPAA | 77ZIK | 01 |
| 279. | 20. | | RTNA | 77GIL | 03 |
| 280. | 30. | | ITNA | 77ZIK | 01 |
| 282. | | | ICPES | 80HAA | 01 |
| 283. | 60. | | CPAA | 78MCG | 01 |
| 283. | 68. | | CPXRF | 76ZEI | 01 |
| 285. | | 17 | UU | 74MAS | 01 |
| 287. | 17. | | CPXRF | 77WIL | 02 |
| 289. | 52. | 32 | CPXRF | 77CRO | 01 |
| 290. | | | ITNA | 80CRE | 01 |
| 293. | 8. | | ITNA | 79DAS | 01 |
| 293. | 8. | | RTNA | 80SLO | 01 |

TABLE L (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 293. | | 17 | UU | 74MAS | 01 |
| 293. | 21. | 6 | CPXRF | 77WIL | 03 |
| 310. | 28. | * | RTNA | 74SCH | 03 |
| 315. | | * | ITNA | 77OSB | 01 |
| 331. | | *17 | UU | 74MAS | 01 |
| 334. | 10. | * | 14NAA | 81WIL | 02 |
| 350. | 64. | * | RTNA | 77KUS | 01 |
| 364. | | *17 | UU | 74MAS | 01 |
| 1395. | | * | AE+AF | 79ULL | 01 |
| 1433. | | *17 | UU | 74MAS | 01 |
| Ga (ppb) | | | | | |
| | 20000. | L* | 14NAA | 81WIL | 02 |
| | 500. | L* | EXRF | 79GIA | 01 |
| | 240. | L* | IENA | 78WAN | 01 |
| 4. | | | RTNA | 74HEN | 01 |
| 1100. | 700. | | CPXRF | 77WIL | 02 |
| Gd (ppb) | | | | | |
| | 1.4 | L* | RTNA | 76GAU | 01 |
| 1.8 | | | RTNA | 82LAU | 01 |
| 2.4 | | | RTNA | 77LAU | 02 |
| Ge (ppb) | | | | | |
| | 400. | L* | EXRF | 79GIA | 01 |
| H (%) | | | | | |
| 6.8 | 0.3 | | TCGS | 79FAI | 01 |
| 7. | 0.1 | 35 | TCGS | 79GLA | 04 |
| 7.12 | 0.1 | | CB | 80SCH | 02 |
| Hf (ppb) | | | | | |
| 1. | | | RTNA | 80SLO | 01 |
| 7.3 | | | ITNA | 80CRE | 01 |
| Hg (ppb) | | | | | |
| | 20. | L* | ITNA | 73NAD | 01 |
| | 200. | L* | ITNA | 74GUI | 01 |
| | 400. | L* | CPXRF | 78JOL | 01 |
| | 800. | L* | EXRF | 79GIA | 01 |
| 13.7 | 1.4 | 14 | FAA | 74CHU | 01 |
| 14. | 2. | | FAA | 79STO | 01 |
| 14. | 2. | | CVAA | 78MAT | 01 |
| 14.5 | 1.7 | | RTNA | 72RAI | 01 |
| 14.5 | 3.4 | | RTNA | 72ROO | 01 |
| 14.5 | 3.4 | | RTNA | 72ROO | 02 |
| 14.7 | | | RTNA | 75STE | 02 |
| 15. | 2. | | MPOES | 81TAN | 01 |
| 15. | 4. | | RTNA | 74SCH | 03 |
| 15.8 | 5.1 | 14 | FAA | 74CHU | 03 |
| 16. | 2. | | FAA | 77GLA | 03 |
| 16. | 1.2 | | FAA | 72ROO | 01 |
| 16. | | | CVAA | 82GLA | 02 |
| 16. | 3. | | CVAA | 80TON | 01 |
| 16. | 3. | 7 | RTNA | 81KUC | 01 |
| 16. | 1.6 | | RTNA | 79MAY | 01 |

TABLE L (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 16. | 5. | | CVAA | 80KOR | 01 |
| 16. | | 7 | RTNA | 81KUC | 01 |
| 16. | 2. | | AA | 79FLA | 02 |
| 16. | 2. | | RTNA | 77TJI | 01 |
| 16. | | | CVAA | 79TAG | 01 |
| 16. | 1. | | RTNA | 74BYR | 03 |
| 16.2 | 3. | 14 | FAA | 74CHU | 03 |
| 16.4 | 4.3 | | NAA | 76GUZ | 01 |
| 16.4 | 0.4 | | RTNA | 74HEN | 01 |
| 16.5 | 0.8 | | CVAA | 72RAI | 01 |
| 16.8 | 1.8 | 5 | RTNA | 80GRE | 01 |
| 17. | 2. | | RTNA | 79WAR | 02 |
| 17. | 2. | | RTNA | 74ORV | 01 |
| 17. | 4. | 2 | CVAA | 79KNE | 01 |
| 17.3 | 2.8 | 5 | RTNA | 80GRE | 01 |
| 17.4 | 2. | | RTNA | 82GRI | 01 |
| 18. | 3. | | RTNA | 75LIT | 01 |
| 18. | 2. | | RTNA | 79CHA | 02 |
| 20. | 2. | | CVAA | 77AND | 01 |
| 20. | | | UU | 74FEL | 01 |
| 20. | | 17 | UU | 74MAS | 01 |
| 22. | 1. | * | RTNA | 75LIE | 01 |
| 22.1 | 6.3 | *14 | FAA | 74CHU | 03 |
| 22.3 | 1.3 | * | RTNA | 77LIE | 01 |
| 30. | 10. | * | FAA | 78EGA | 01 |
| 41. | | *17 | UU | 74MAS | 01 |
| 47. | 4. | * | RTNA | 77MEL | 01 |
| 200. | 21. | * | ITNA | 75LIT | 01 |
| Ho (ppb) | | | | | |
| | 0.94 | L* | RTNA | 76GAU | 01 |
| 0.2 | | | RTNA | 82LAU | 01 |
| 0.25 | | | RTNA | 77LAU | 02 |
| I (ppb) | | | | | |
| 180. | 12. | | RTNA | 77ROO | 01 |
| 200. | 10. | | RTNA | 79WAR | 02 |
| 220. | 30. | | ITNA | 79CHA | 02 |
| 221.8 | 14.8 | | RTNA | 80GVA | 01 |
| 246. | 11. | 35 | RTNA | 81ALL | 01 |
| 249. | 12. | | RTNA | 81STR | 01 |
| 249. | 12. | 34 | RTNA | 81ALL | 01 |
| 270. | 30. | | IENA | 82SAT | 01 |
| 280. | | | NAA | 79HEC | 01 |
| In (ppb) | | | | | |
| | 1000. | L* | RTNA | 76GAU | 01 |
| 0.05 | | | RTNA | 74RAV | 01 |
| 0.09 | 0.01 | | RTNA | 78KOB | 01 |
| K (%) | | | | | |
| 0.5 | 0.07 | * | CPXRF | 80MAE | 01 |
| 0.63 | 0.11 | * | 14NAA | 81WIL | 01 |
| 0.667 | 0.066 | * | RTNA | 74SCH | 03 |
| 0.7 | | * | CPXRF | 78UEM | 01 |
| 0.725 | 0.789 | R* | ITNA | 79IMA | 03 |
| 0.725 | 0.789 | R* | ITNA | 79IMA | 01 |
| 0.742 | | | ITNA | 78CAP | 01 |

TABLE L (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 0.753 | | 17 | UU | 74MAS | 01 |
| 0.821 | | 17 | UU | 74MAS | 01 |
| 0.84 | 0.13 | 32 | CPXRF | 77CRO | 01 |
| 0.87 | 0.13 | | ITNA | 83GLA | 01 |
| 0.875 | | | ITNA | 80CRE | 01 |
| 0.904 | | 17 | UU | 74MAS | 01 |
| 0.91 | 0.08 | | RTNA | 79WAR | 02 |
| 0.92 | 0.028 | | CPXRF | 81ROB | 02 |
| 0.92 | | 1 | IENA | 79KUC | 01 |
| 0.93 | 0.05 | | CPXRF | 77WIL | 02 |
| 0.93 | 0.11 | | EXRF | 77NIE | 01 |
| 0.935 | | | ITNA | 82AKA | 01 |
| 0.94 | 0.05 | | ITNA | 80MAE | 01 |
| 0.948 | | 17 | UU | 74MAS | 01 |
| 0.948 | | 17 | UU | 74MAS | 01 |
| 0.95 | 0.05 | | CPXRF | 80KIR | 01 |
| 0.96 | | | ITNA | 73NAD | 01 |
| 0.96 | | | ITNA | 79KUC | 01 |
| 0.96 | 0.06 | | AA | 74WES | 01 |
| 0.964 | | | CPXRF | 76ZEI | 01 |
| 0.964 | 0.004 | | CPAA | 78MCG | 01 |
| 0.969 | 0.022 | | FE | 80UCH | 01 |
| 0.969 | 0.091 | | PAA | 76KAT | 04 |
| 0.969 | 0.078 | | ITNA | 74DON | 01 |
| 0.969 | 0.09 | | ITNA | 79CHA | 02 |
| 0.97 | 0.05 | 11 | ICPES | 82JON | 01 |
| 0.98 | | 17 | UU | 74MAS | 01 |
| 0.98 | 0.1 | | ITNA | 82EHM | 01 |
| 0.987 | | 17 | UU | 74MAS | 01 |
| 0.99 | 0.02 | 11 | ICPES | 82JON | 01 |
| 0.992 | 0.022 | | AA | 75HIN | 01 |
| 0.998 | 0.064 | | NAA | 76GUZ | 01 |
| 1. | | | ITNA | 77OSB | 01 |
| 1. | 0.03 | | TCGS | 79FAI | 01 |
| 1.006 | | 1 | AA | 78SZY | 01 |
| 1.01 | 0.18 | | ITNA | 77HAM | 01 |
| 1.015 | | 1 | AA | 78SZY | 01 |
| 1.02 | 0.012 | | ITNA | 78FUR | 01 |
| 1.021 | 0.048 | 34 | CPXRF | 78JOL | 01 |
| 1.032 | 0.025 | | RTNA | 75LIE | 01 |
| 1.032 | 0.025 | | RTNA | 77LIE | 01 |
| 1.04 | 0.03 | | ITNA | 74WES | 01 |
| 1.06 | | 35 | ITNA | 81GLA | 04 |
| 1.06 | 0.08 | | NAA | 78GAN | 01 |
| 1.087 | 0.124 | | CPXRF | 79MAN | 01 |
| 1.12 | 0.02 | | ITNA | 80SLO | 01 |
| 1.13 | 0.04 | | EXRF | 80DYC | 01 |
| 1.18 | 0.1 | * | 14NAA | 81WIL | 02 |
| **La (ppb)** | | | | | |
| 10. | 1. | | RTNA | 74HEN | 01 |
| 12. | 9. | | RTNA | 74SCH | 03 |
| 14. | 5. | | RTNA | 80SLO | 01 |
| 17. | | | RTNA | 82LAU | 01 |
| 17. | | | RTNA | 77LAU | 02 |
| 17. | | | RTNA | 75LIE | 01 |
| 17.3 | 0.4 | | RTNA | 77LIE | 01 |
| 20. | | | ITNA | 73NAD | 01 |
| 24.5 | 1.2 | * | RTNA | 76GAU | 01 |
| 62. | 5. | * | ITNA | 79CHA | 02 |
| 70. | | * | ITNA | 78CAP | 01 |
| 72. | | * | ITNA | 80CRE | 01 |

TABLE L (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| **Lu (ppb)** | | | | | |
| | 0.1 | L* | RTNA | 76GAU | 01 |
| 0.039 | | | RTNA | 77LAU | 02 |
| 0.039 | | | RTNA | 82LAU | 01 |
| **Mg (ppm)** | | | | | |
| | 550. | L* | ITNA | 80SLO | 01 |
| 290. | 40. | * | 14NAA | 81WIL | 01 |
| 332. | 541. | R* | ITNA | 79IMA | 01 |
| 332. | 541. | R* | ITNA | 79IMA | 03 |
| 516. | | *17 | UU | 74MAS | 01 |
| 517. | | *17 | UU | 74MAS | 01 |
| 555. | 21. | 1 | ICPES | 78SUD | 01 |
| 566. | | | FAA | 78CAP | 01 |
| 566. | 10. | | AA | 79MCQ | 01 |
| 567. | | | AA | 79LOC | 01 |
| 573. | 4. | | ICPES | 79MCQ | 02 |
| 573. | 17. | | ICPES | 79MCQ | 01 |
| 580. | 20. | | CPXRF | 80KIR | 01 |
| 590. | 40. | | ICPES | 79ABE | 01 |
| 593. | 10. | 1 | AA | 77UCH | 02 |
| 593. | 10. | | AA | 80IID | 01 |
| 595. | 6. | 6 | AA | 76HOW | 01 |
| 596.5 | 13.5 | | PAA | 76KAT | 04 |
| 597. | 10. | | AA | 75HIN | 01 |
| 598. | 50. | | ITNA | 77ZIK | 01 |
| 598. | 14. | | ITNA | 75PIE | 01 |
| 600. | 9. | 1 | AA | 77UCH | 02 |
| 601. | 6. | 6 | AA | 76HOW | 01 |
| 602. | 11. | | AA | 80UCH | 01 |
| 604.6 | 26.84 | | NAA | 76GUZ | 01 |
| 605. | 32. | | AA | 74WES | 01 |
| 608. | 6. | | RTNA | 79WAR | 02 |
| 608. | 6. | | ITNA | 79WAR | 01 |
| 609. | | | AE+AF | 79ULL | 01 |
| 610. | 15. | | FAA | 79WAR | 01 |
| 613. | | | ICPES | 78CAP | 01 |
| 620. | 20. | | ITNA | 79CHA | 02 |
| 636. | | | ICPES | 78DAH | 01 |
| 657. | 9. | 11 | ICPES | 82JON | 01 |
| 659. | 82. | | ITNA | 74WES | 01 |
| 660. | 20. | 11 | ICPES | 82JON | 01 |
| 668. | 42. | | AA | 79LAK | 01 |
| 674. | | 17 | UU | 74MAS | 01 |
| 684. | 110. | | ITNA | 78FUR | 01 |
| 700. | 20. | | 14NAA | 81WIL | 02 |
| 700. | 130. | | ITNA | 77HAM | 01 |
| 712. | 98. | *1 | ICPES | 78SUD | 01 |
| 949. | | * | ITNA | 78CAP | 01 |
| 1040. | | * | ITNA | 73NAD | 01 |
| **Mn (ppm)** | | | | | |
| 5.3 | 0.72 | *6 | ITNA | 74HOF | 01 |
| 8. | 1. | * | CPXRF | 80MAE | 01 |
| 8.4 | 2.1 | | CPXRF | 80KIR | 01 |
| 8.73 | | | FAA | 77SHE | 02 |
| 9. | 0.37 | | FAA | 74GRO | 01 |
| 9. | 0.7 | | VV | 80SCH | 05 |
| 9. | 2.2 | 6 | CPXRF | 77WIL | 03 |
| 9.12 | | 17 | UU | 74MAS | 01 |
| 9.14 | | | ITNA | 73NAD | 01 |

TABLE L (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 9.2 | 0.9 | 11 | ICPES | 81BLA | 02 |
| 9.2 | 0.7 | | AA | 79FLA | 02 |
| 9.2 | 1.8 | 6 | CPXRF | 77WIL | 03 |
| 9.26 | 0.85 | | RTNA | 79PLA | 01 |
| 9.3 | | | ITNA | 82AKA | 01 |
| 9.4 | 1.1 | | EXRF | 79GIA | 01 |
| 9.42 | | 17 | UU | 74MAS | 01 |
| 9.5 | 0.7 | 11 | ICPES | 81BLA | 02 |
| 9.5 | 0.5 | | ITNA | 82KIM | 01 |
| 9.5 | 1.4 | | CPXRF | 77WIL | 02 |
| 9.5 | | 17 | UU | 74MAS | 01 |
| 9.6 | 0.5 | | RTNA | 77KUS | 01 |
| 9.6 | 0.4 | | RTNA | 74HEN | 01 |
| 9.6 | 0.6 | 11 | FAA | 74WES | 01 |
| 9.7 | | | ICPES | 78CAP | 01 |
| 9.7 | 0.8 | 11 | ICPES | 82JON | 01 |
| 9.7 | 0.3 | 1 | ICPES | 78SUD | 01 |
| 9.77 | 0.79 | | ITNA | 74DON | 01 |
| 9.8 | 1.1 | | FAA | 82GRO | 01 |
| 9.9 | | | ICPES | 78DAH | 01 |
| 9.9 | | 17 | UU | 74MAS | 01 |
| 9.9 | 0.47 | | ITNA | 74WES | 01 |
| 10. | | 35 | ITNA | 81GLA | 04 |
| 10. | 2. | | EXRF | 80DYC | 01 |
| 10. | 1. | | ICPES | 79MCQ | 01 |
| 10. | | 11 | AA | 81MOH | 01 |
| 10. | 0.5 | | NAA | 78GAN | 01 |
| 10. | | | FAA | 75SLA | 01 |
| 10. | 1. | | ICPES | 79MCQ | 02 |
| 10. | 5. | | AA | 76LAN | 01 |
| 10. | 0.7 | | ITNA | 79WAR | 01 |
| 10. | 1.3 | | ICPES | 79ABE | 01 |
| 10. | 0.7 | | RTNA | 79WAR | 02 |
| 10. | 0.6 | 6 | ITNA | 74HOF | 01 |
| 10.1 | 1.2 | | CPXRF | 81ROB | 02 |
| 10.1 | 0.2 | | ITNA | 80SLO | 01 |
| 10.1 | 1.1 | | ITNA | 79SAT | 01 |
| 10.1 | 0.1 | | AA | 82CLE | 01 |
| 10.1 | 3.6 | | EXRF | 77NIE | 01 |
| 10.1 | 0.5 | 11 | RTNA | 74WES | 01 |
| 10.15 | 2.15 | | PAA | 76KAT | 04 |
| 10.17 | 0.69 | | NAA | 76GUZ | 01 |
| 10.2 | 0.1 | | AA | 80IID | 01 |
| 10.2 | | | ASV | 80CHR | 01 |
| 10.2 | 1. | 1 | AA | 77UCH | 02 |
| 10.2 | 0.2 | | AA | 75HIN | 01 |
| 10.2 | | 17 | UU | 74MAS | 01 |
| 10.2 | 0.45 | 11 | RTNA | 74WES | 01 |
| 10.2 | | 17 | UU | 74MAS | 01 |
| 10.23 | 0.43 | | RTNA | 74RAV | 01 |
| 10.3 | 0.3 | | FAA | 82CLE | 01 |
| 10.3 | 0.3 | | FAA | 81CLE | 02 |
| 10.3 | 0.2 | | ITNA | 82EHM | 01 |
| 10.3 | 0.77 | | ITNA | 77HAM | 01 |
| 10.3 | 0.8 | | RTNA | 76GAU | 01 |
| 10.3 | 0.36 | 11 | FAA | 74WES | 01 |
| 10.4 | | | AA | 82CLE | 01 |
| 10.4 | 0.3 | 1 | AA | 77UCH | 02 |
| 10.4 | 0.4 | 11 | ICPES | 82JON | 01 |
| 10.4 | 0.2 | | FAA | 82CLE | 01 |
| 10.4 | 0.4 | | RTNA | 77BUO | 01 |
| 10.4 | 0.6 | 11 | FAA | 75SME | 01 |

TABLE L (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 10.4 | | | FAA | 78CAP | 01 |
| 10.4 | 1.1 | | RTNA | 74SCH | 03 |
| 10.4 | 0.23 | | FAA | 75PIC | 01 |
| 10.5 | 0.6 | | ITNA | 83GLA | 01 |
| 10.5 | 0.3 | 11 | ICPES | 82JON | 01 |
| 10.5 | 1.1 | | ITNA | 79CHA | 02 |
| 10.5 | 16. | 6 | FAA | 76LAN | 01 |
| 10.6 | 0.7 | | FAA | 81CLE | 01 |
| 10.6 | 1.1 | | ITNA | 78FUR | 01 |
| 10.7 | 0.3 | | ITNA | 80MAE | 01 |
| 10.8 | 0.8 | | FAA | 79WAR | 01 |
| 10.8 | 0.3 | | RTNA | 82KIM | 01 |
| 10.8 | 20. | 6 | FAA | 76LAN | 01 |
| 10.9 | 2. | | XRF | 77SMI | 04 |
| 10.9 | 1.2 | | CPXRF | 79MAN | 01 |
| 10.9 | 1.5 | 34 | CPXRF | 78JOL | 01 |
| 11. | | 11 | AA | 81MOH | 01 |
| 11. | | 17 | UU | 74MAS | 01 |
| 11. | 0.4 | | FAA | 81CHA | 01 |
| 11. | | | AA | 80EVA | 01 |
| 11.2 | 0.5 | | RTNA | 75LIE | 01 |
| 11.2 | 0.5 | | RTNA | 77LIE | 01 |
| 11.2 | 1.4 | 1 | ICPES | 78SUD | 01 |
| 11.4 | 0.8 | 11 | FAA | 75SME | 01 |
| 11.5 | | | ITNA | 78CAP | 01 |
| 11.5 | 13.7 | R* | ITNA | 79IMA | 03 |
| 11.5 | | 17 | UU | 74MAS | 01 |
| 11.5 | 13.7 | R* | ITNA | 79IMA | 01 |
| 11.7 | 0.7 | MD | FAA | 79WES | 01 |
| 12.5 | 2. | D* | DCP | 81REE | 01 |
| 12.5 | 2. | * | DCP | 79REE | 01 |
| 13. | 3. | * | ITNA | 77ZIK | 01 |
| 13. | 6. | * | TCGS | 79FAI | 01 |
| 13. | | * | AE+AF | 79ULL | 01 |
| 14. | 1. | * | AA | 79MCQ | 01 |
| 14.2 | 1.8 | * | FAA | 77FUJ | 01 |
| 19. | 9. | * | CPXRF | 78VIS | 01 |
| 19. | | * | XRF | 80SUZ | 02 |

Mo (ppm)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| | 5. | L* | ICPES | 78CAP | 01 |
| | 510. | L* | ITNA | 80TOU | 01 |
| 2. | | * | ICPES | 79MCQ | 02 |
| 2. | 1. | * | CPAA | 77ZIK | 01 |
| 2.2 | 0.9 | | CPXRF | 80KIR | 01 |
| 2.5 | | 17 | UU | 74MAS | 01 |
| 2.5 | 0.1 | | ITNA | 78FUR | 01 |
| 2.6 | 0.4 | | 14NAA | 81WIL | 01 |
| 2.8 | | 17 | UU | 74MAS | 01 |
| 2.95 | 0.27 | | RTNA | 76GAU | 01 |
| 2.97 | | 17 | UU | 74MAS | 01 |
| 3. | 0.3 | | RTNA | 77GIL | 03 |
| 3. | | | ITNA | 73NAD | 01 |
| 3. | 0.3 | | NAA | 77GIL | 01 |
| 3.04 | 0.18 | | IENA | 75MAZ | 01 |
| 3.06 | 0.7 | 34 | CPXRF | 78JOL | 01 |
| 3.1 | 0.5 | 11 | ICPES | 82JON | 01 |
| 3.1 | 0.03 | | RTNA | 80KUL | 01 |
| 3.1 | | 1 | IENA | 79KUC | 01 |
| 3.1 | | | FAA | 79BEN | 01 |
| 3.12 | 0.26 | | RTNA | 78NAD | 01 |
| 3.19 | 0.14 | | RTNA | 77LIE | 01 |

TABLE L (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 3.19 | 0.14 | | RTNA | 75LIE | 01 |
| 3.2 | 0.1 | | RTNA | 77DIK | 01 |
| 3.2 | | | ITNA | 79KUC | 01 |
| 3.23 | 0.09 | | SSMS | 77PAU | 01 |
| 3.3 | 0.3 | 11 | RTNA | 74WES | 01 |
| 3.3 | 0.2 | | RTNA | 79WAR | 02 |
| 3.33 | | | RTNA | 75STE | 02 |
| 3.4 | 0.2 | 7 | RTNA | 81KUC | 01 |
| 3.4 | 0.7 | 5 | ITNA | 80TOU | 01 |
| 3.4 | 0.1 | 11 | ICPES | 82JON | 01 |
| 3.4 | 0.36 | | RTNA | 82BYR | 01 |
| 3.4 | 0.2 | | RTNA | 80SLO | 01 |
| 3.4 | | 1 | IENA | 79KUC | 01 |
| 3.4 | 0.15 | | FAA | 74WES | 01 |
| 3.42 | 0.11 | 11 | RTNA | 81COR | 01 |
| 3.5 | 0.2 | 11 | RTNA | 74WES | 01 |
| 3.5 | 1.5 | | CPXRF | 77WIL | 02 |
| 3.5 | 0.6 | | CPXRF | 77RIN | 01 |
| 3.6 | 0.7 | | RTNA | 74SCH | 03 |
| 3.6 | 0.9 | | CPXRF | 80MAE | 01 |
| 3.6 | 0.14 | 11 | RTNA | 81COR | 01 |
| 3.7 | 0.4 | | 14NAA | 81WIL | 02 |
| 3.71 | 0.25 | | RTNA | 77TJI | 01 |
| 3.78 | 0.356 | | NAA | 76GUZ | 01 |
| 3.8 | | 7 | RTNA | 81KUC | 01 |
| 3.8 | | | ICPES | 80HAA | 01 |
| 4.1 | 0.4 | | CPXRF | 78VIS | 01 |
| 4.3 | 1.2 | * | ITNA | 79ZEI | 01 |
| 4.9 | | *17 | UU | 74MAS | 01 |
| 5.8 | 0.3 | * | AA | 79FLA | 02 |
| **N (%)** | | | | | |
| 10.35 | 0.3 | | TCGS | 79FAI | 01 |
| 10.4 | 0.8 | 35 | TCGS | 79GLA | 04 |
| 10.42 | 0.11 | | CB | 80SCH | 02 |
| 10.59 | 0.04 | | GRAV | 74CAR | 01 |
| 10.59 | 0.04 | D* | GRAV | 74CAR | 05 |
| 10.81 | 0.24 | D* | NT | 74CAR | 05 |
| 10.82 | 0.24 | | NT | 74CAR | 01 |
| **Na (ppm)** | | | | | |
| 1019. | | *17 | UU | 74MAS | 01 |
| 1152. | 119. | *6 | ITNA | 74HOF | 01 |
| 1600. | 100. | * | 14NAA | 81WIL | 01 |
| 1940. | 30. | | ITNA | 80SLO | 01 |
| 1980. | 60. | | ITNA | 78FUR | 01 |
| 2000. | 150. | | 14NAA | 81WIL | 02 |
| 2000. | 500. | | CPXRF | 80KIR | 01 |
| 2040. | | | ITNA | 80CRE | 01 |
| 2176. | 77. | 6 | ITNA | 74HOF | 01 |
| 2220. | | 17 | UU | 74MAS | 01 |
| 2227. | 200. | | ITNA | 77ZIK | 01 |
| 2230. | 210. | | ITNA | 77HAM | 01 |
| 2250. | | | ITNA | 83GLA | 01 |
| 2250. | | 17 | UU | 74MAS | 01 |
| 2260. | 370. | | ITNA | 77JUR | 02 |
| 2280. | | 1 | IENA | 79KUC | 01 |
| 2280. | 300. | | ITNA | 82SCH | 05 |
| 2300. | 2850. | R* | ITNA | 79IMA | 03 |
| 2300. | 2850. | R* | ITNA | 79IMA | 01 |

TABLE L (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 2310. | | | ITNA | 79KUC | 01 |
| 2320. | 300. | | ICPES | 79ABE | 01 |
| 2320. | 40. | | AA | 75HIN | 01 |
| 2330. | 60. | | ITNA | 74WES | 01 |
| 2340. | | 17 | UU | 74MAS | 01 |
| 2355. | | | ITNA | 82AKA | 01 |
| 2370. | 40. | | PAA | 76KAT | 04 |
| 2370. | | 17 | UU | 74MAS | 01 |
| 2400. | | | ITNA | 73NAD | 01 |
| 2400. | 200. | | AA | 74WES | 01 |
| 2400. | | 35 | ITNA | 81GLA | 03 |
| 2410. | 10. | | RTNA | 74HEN | 01 |
| 2420. | 50. | | FE | 80UCH | 01 |
| 2425. | | 17 | UU | 74MAS | 01 |
| 2426. | 130. | | ITNA | 74DON | 01 |
| 2430. | 150. | | ITNA | 79CHA | 02 |
| 2438. | | | ITNA | 78CAP | 01 |
| 2440. | 160. | | RTNA | 79WAR | 02 |
| 2455. | | 1 | AA | 78SZY | 01 |
| 2530. | 120. | | NAA | 78GAN | 01 |
| 2540. | | 1 | AA | 78SZY | 01 |
| 2550. | | 35 | ITNA | 81GLA | 04 |
| 2550. | 190. | | ITNA | 78BEH | 01 |
| 2570. | | 1 | IENA | 79KUC | 01 |
| 2570. | | 17 | UU | 74MAS | 01 |
| 2609. | 142. | | NAA | 76GUZ | 01 |
| 2632. | 29. | | RTNA | 77LIE | 01 |
| 2632. | 29. | | RTNA | 75LIE | 01 |
| 2768. | 156. | | RTNA | 74SCH | 03 |
| 3100. | | * | ITNA | 77OSB | 01 |
| 3100. | 600. | * | TCGS | 79FAI | 01 |
| **Nd (ppb)** | | | | | |
| 9. | | | RTNA | 82LAU | 01 |
| 14.5 | | | RTNA | 77LAU | 02 |
| 170. | 40. | | RTNA | 76GAU | 01 |
| **Ni (ppb)** | | | | | |
| | 9000. | L* | 14NAA | 81WIL | 01 |
| | 500. | L* | EXRF | 77NIE | 01 |
| | 60. | L* | ICPES | 82JON | 01 |
| | 720. | L* | RTNA | 81KUC | 01 |
| | 1000. | L* | RTNA | 77MEL | 01 |
| | 500. | L* | ITNA | 75PIE | 01 |
| | 60. | L* | ICPES | 82JON | 01 |
| | 800. | L* | EXRF | 79GIA | 01 |
| | 500. | L* | NAA | 76GUZ | 01 |
| | 500. | L* | ICPES | 79ABE | 01 |
| | 700. | L* | RTNA | 76GAU | 01 |
| 50. | | | AA | 78EVA | 01 |
| 62. | 18. | | IENA | 75MAZ | 01 |
| 70. | 30. | | AA | 79FLA | 02 |
| 155. | 19. | | FAA | 80DOR | 01 |
| 180. | 20. | | PAA | 79CHA | 02 |
| 200. | 30. | | RTNA | 79WAR | 02 |
| 210. | | | ITNA | 73NAD | 01 |
| 227. | | | VOLT | 81PIH | 01 |
| 270. | 120. | | RTNA | 77TJI | 01 |
| 470. | | *7 | RTNA | 81KUC | 01 |
| 600. | 400. | * | CPXRF | 78VIS | 01 |
| 700. | 500. | * | CPXRF | 77WIL | 02 |

TABLE L (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 1000. | 690. | * | AA | 79MON | 01 |
| 1000. | 500. | * | RTNA | 80SLO | 01 |
| 1200. | 100. | * | EXRF | 80DYC | 01 |
| 1300. | 200. | * | CPXRF | 79REN | 02 |
| P (%) | | | | | |
| 0.31 | 0.1 | * | CPXRF | 79REN | 02 |
| 0.64 | 0.06 | * | 14NAA | 81WIL | 01 |
| 0.816 | 0.64 | * | EXRF | 77NIE | 01 |
| 0.905 | | | NAA | 78GAN | 01 |
| 0.98 | | | ICPES | 78CAP | 01 |
| 0.989 | 0.046 | 1 | ICPES | 78SUD | 01 |
| 1. | 0.026 | 1 | ICPES | 78SUD | 01 |
| 1.04 | 0.06 | 6 | FAA | 81LAN | 01 |
| 1.1 | 0.006 | | COLOR | 79MCQ | 01 |
| 1.1 | 0.02 | 6 | FAA | 81LAN | 01 |
| 1.1 | 0.15 | | 14NAA | 81WIL | 02 |
| 1.13 | 0.03 | | ICPES | 79MCQ | 01 |
| 1.16 | 0.03 | | ICPES | 79ABE | 01 |
| 1.18 | 0.03 | 11 | ICPES | 82JON | 01 |
| 1.21 | 0.01 | 11 | ICPES | 82JON | 01 |
| 1.3 | 0.1 | * | CPXRF | 80KIR | 01 |
| 1.349 | 0.029 | * | NAA | 76GUZ | 01 |
| Pb (ppb) | | | | | |
| | 11000. | L* | 14NAA | 81WIL | 02 |
| | 1000. | L* | EXRF | 77NIE | 01 |
| | 500. | L* | AA | 79MON | 01 |
| | 3500. | L* | ICPES | 78CAP | 01 |
| | 1000. | L* | EXRF | 79GIA | 01 |
| | 500. | L* | ICPES | 79ABE | 01 |
| 240. | 80. | | FAA | 77FUJ | 01 |
| 250. | | | AA | 78EVA | 01 |
| 262. | | 17 | UU | 74MAS | 01 |
| 280. | 40. | | AA | 80AGE | 01 |
| 300. | 40. | | FAA | 78GRO | 01 |
| 300. | 300. | 11 | ICPES | 82JON | 01 |
| 300. | 100. | | CPXRF | 78VIS | 01 |
| 300. | | | FAA | 79YAS | 01 |
| 320. | 13. | | FAA | 75PIC | 01 |
| 320. | 60. | | FAA | 79WAR | 01 |
| 328. | 16. | 11 | IDMS | 74CHO | 02 |
| 330. | 10. | | FAA | 80POL | 01 |
| 330. | 700. | | AA | 76LAN | 01 |
| 330. | | | AA | 77FRI | 01 |
| 330. | 10. | | FAA | 79DAB | 02 |
| 333. | 67. | 11 | IDMS | 74CHO | 02 |
| 340. | | 11 | FAA | 81DAN | 01 |
| 340. | 40. | | FAA | 76HAD | 01 |
| 340. | 20. | | AA | 79FLA | 02 |
| 343. | 23. | | AA | 76ZAN | 02 |
| 343. | 23. | | FAA | 76KOI | 01 |
| 350. | 50. | | FAA | 81KNA | 01 |
| 350. | 50. | | AA | 80SCH | 05 |
| 350. | 40. | | AA | 79WAR | 01 |
| 350. | 15. | | FAA | 81CHA | 01 |
| 350. | 50. | | FAA | 75BEH | 01 |
| 350. | 22000. | 6 | FAA | 76LAN | 01 |
| 360. | 25. | 6 | POL | 72SIN | 01 |
| 360. | 30. | | SSMS | 77PAU | 01 |
| 360. | 30. | | FAA | 79STO | 01 |

TABLE L (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 360. | | 11 | FAA | 81DAN | 01 |
| 360. | 12000. | 6 | FAA | 76LAN | 01 |
| 370. | | | ASV | 82GAJ | 01 |
| 380. | | | ICPES | 80HAA | 01 |
| 380. | | | FAA | 82VAN | 01 |
| 380. | 76. | | ASV | 79STO | 01 |
| 380. | | | ASV | 74COP | 01 |
| 380. | | | FAA | 82HOE | 01 |
| 390. | | 6 | POL | 72SIN | 01 |
| 390. | | 11 | ASV | 81DAN | 01 |
| 390. | | 11 | ASV | 81DAN | 01 |
| 400. | 50. | | PAA | 79CHA | 02 |
| 400. | 300. | 11 | ICPES | 82JON | 01 |
| 400. | 100. | | PAA | 74LUT | 01 |
| 420. | 140. | 34 | CPXRF | 78JOL | 01 |
| 450. | 30. | | FAA | 80LEG | 01 |
| 460. | 130. | | FAA | 74GRO | 01 |
| 490. | | 6 | FAA | 81HIN | 01 |
| 490. | | 6 | FAA | 82KOI | 01 |
| 500. | | *6 | FAA | 81HIN | 01 |
| 500. | | * | OES | 75BOL | 02 |
| 500. | | *6 | FAA | 82KOI | 01 |
| 520. | | *17 | UU | 74MAS | 01 |
| 3900. | 1000. | * | CPXRF | 77WIL | 02 |
| 5000. | | * | 14NAA | 81WIL | 01 |
| 43000. | 4000. | * | FAA | 79WES | 01 |
| Pr (ppb) | | | | | |
| | 3. | L* | RTNA | 82LAU | 01 |
| 4. | | | RTNA | 77LAU | 02 |
| 4.6 | 0.3 | | RTNA | 76GAU | 01 |
| Rb (ppm) | | | | | |
| 9.9 | 1.6 | * | CPXRF | 80MAE | 01 |
| 15. | 2. | * | 14NAA | 81WIL | 02 |
| 15. | 2.5 | *34 | CPXRF | 78JOL | 01 |
| 15.1 | 4.4 | * | XRF | 77SMI | 04 |
| 16.5 | 1.2 | 5 | ITNA | 80TOU | 01 |
| 16.6 | 2.8 | | RTNA | 74SCH | 03 |
| 16.7 | 3.2 | | CPXRF | 81ROB | 02 |
| 16.8 | 1.9 | 6 | CPXRF | 77WIL | 03 |
| 16.8 | | 1 | IENA | 79KUC | 01 |
| 16.9 | | | ITNA | 79KUC | 01 |
| 17. | 1. | | EXRF | 80DYC | 01 |
| 17. | 3. | | ITNA | 77ZIK | 01 |
| 17.4 | 1.8 | | NAA | 78GAN | 01 |
| 17.72 | 1.8 | | ITNA | 81MOL | 01 |
| 17.8 | | | ITNA | 78CAP | 01 |
| 17.97 | 0.6 | | RTNA | 75LIE | 01 |
| 17.97 | 0.6 | | RTNA | 77LIE | 01 |
| 18. | 0.8 | | ITNA | 79SAT | 01 |
| 18. | 1. | | CPXRF | 77WIL | 02 |
| 18. | 0.3 | | RTNA | 79WAR | 02 |
| 18. | | | ITNA | 77OSB | 01 |
| 18.1 | 0.6 | | 14NAA | 81WIL | 01 |
| 18.4 | 0.4 | | EXRF | 79GIA | 01 |
| 18.4 | 2. | | ITNA | 81KRI | 01 |
| 18.5 | 0.4 | | ITNA | 74LIN | 01 |
| 18.62 | 0.95 | | NAA | 76GUZ | 01 |
| 18.7 | 0.9 | 5 | ITNA | 80TOU | 01 |
| 18.7 | 1. | | ITNA | 73COR | 01 |

TABLE L (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 18.7 | 1.5 | | ITNA | 79CHA | 02 |
| 18.7 | 0.5 | | ITNA | 78FUR | 01 |
| 18.7 | | 17 | UU | 74MAS | 01 |
| 18.7 | 3.6 | | EXRF | 77NIE | 01 |
| 18.8 | 1.4 | | ITNA | 79LAK | 01 |
| 18.8 | 1.3 | | RTNA | 76GAU | 01 |
| 18.95 | 1.65 | | PAA | 76KAT | 04 |
| 19. | 1.6 | | ITNA | 78BEH | 01 |
| 19. | | | ITNA | 80CRE | 01 |
| 19. | 1.6 | | ITNA | 77JUR | 02 |
| 19. | 2.5 | | ITNA | 77HAM | 01 |
| 19. | 1. | | RTNA | 77MEL | 01 |
| 19.2 | 1.4 | | ITNA | 80MAE | 01 |
| 19.3 | 2.8 | | CPXRF | 79MAN | 01 |
| 19.5 | 2.1 | | ITNA | 79ZEI | 01 |
| 19.8 | 1.4 | 6 | ITNA | 74BEC | 01 |
| 19.9 | | 17 | UU | 74MAS | 01 |
| 20. | 2.4 | | CPXRF | 80KIR | 01 |
| 20. | 3. | | CPXRF | 78VIS | 01 |
| 20.1 | | | ITNA | 73NAD | 01 |
| 20.9 | 2.5 | 6 | CPXRF | 77WIL | 03 |
| 23.3 | | *17 | UU | 74MAS | 01 |
| 23.4 | | *17 | UU | 74MAS | 01 |
| 28. | | * | CPXRF | 76ZEI | 01 |
| 28. | | *17 | UU | 74MAS | 01 |
| 29. | 4. | * | CPAA | 78MCG | 01 |
| S (ppm) | | | | | |
| 3300. | 1000. | * | CPXRF | 79REN | 02 |
| 7200. | 400. | | TCGS | 77JUR | 01 |
| 7200. | 200. | | TCGS | 79FAI | 01 |
| 9500. | 700. | | CPXRF | 80KIR | 01 |
| 16200. | 2000. | * | ITNA | 79CHA | 02 |
| Sb (ppb) | | | | | |
| | 7. | L* | RTNA | 81KUC | 01 |
| | 20. | L* | ITNA | 78CAP | 01 |
| | 9. | L* | RTNA | 81KUC | 01 |
| | 50. | L* | RTNA | 77GIL | 03 |
| | 500. | L* | 14NAA | 81WIL | 02 |
| 4. | | | RTNA | 79MAY | 01 |
| 4. | 1. | | RTNA | 80SLO | 01 |
| 4. | | | RTNA | 75LIE | 01 |
| 4.8 | 0.5 | | RTNA | 77LIE | 01 |
| 4.8 | 1.2 | | RTNA | 79ROS | 02 |
| 5. | | | HAA | 79EVA | 01 |
| 5. | 2. | | RTNA | 79HOE | 01 |
| 7. | 5. | | ITNA | 78BEH | 01 |
| 9. | 3. | | RTNA | 74HEN | 01 |
| 10. | 2. | | RTNA | 78GAL | 01 |
| 11. | 9. | | RTNA | 74SCH | 03 |
| 12. | | | ITNA | 80CRE | 01 |
| 14. | 10. | | ITNA | 77ZIK | 01 |
| 14. | 5. | | NAA | 78GAN | 01 |
| 15. | 4. | | RTNA | 77TJI | 01 |
| 16. | 7. | | ITNA | 73COR | 01 |
| 16. | 2. | | ITNA | 79CHA | 02 |
| 18. | | 17 | UU | 74MAS | 01 |
| 22.9 | | 17 | UU | 74MAS | 01 |
| 26. | 1. | * | RTNA | 79WAR | 02 |

TABLE L (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 34. | | * | ITNA | 73NAD | 01 |
| 50. | | * | ITNA | 79KUC | 01 |
| 55. | 9. | *6 | ITNA | 74BEC | 01 |
| 69. | 24. | *6 | ITNA | 74BEC | 01 |
| 70. | | *1 | IENA | 79KUC | 01 |
| 130. | 170. | R* | ITNA | 79IMA | 01 |
| 130. | 170. | R* | ITNA | 79IMA | 03 |
| Sc (ppb) | | | | | |
| | 1. | L* | RTNA | 80SLO | 01 |
| | 800. | L* | 14NAA | 81WIL | 02 |
| | | L* | RTNA | 75LIE | 01 |
| | 0.5 | L* | RTNA | 77LIE | 01 |
| | 1. | L* | RTNA | 75STE | 02 |
| | 4. | L* | ITNA | 78CAP | 01 |
| | 1. | L* | NAA | 78GAN | 01 |
| 0.4 | | 17 | UU | 74MAS | 01 |
| 0.6 | 0.1 | | RTNA | 74HEN | 01 |
| 1. | | | ITNA | 73NAD | 01 |
| 1. | 0.9 | | RTNA | 76GAU | 01 |
| 1.1 | 0.3 | | ITNA | 78BEH | 01 |
| 1.1 | 0.1 | | RTNA | 79WAR | 02 |
| 20. | 6. | * | RTNA | 77MEL | 01 |
| Se (ppm) | | | | | |
| | 2. | L* | 14NAA | 81WIL | 01 |
| | 2. | L* | ITNA | 74GUI | 01 |
| | 1.55 | L* | ITNA | 80TOU | 01 |
| 0.228 | 0.011 | * | FLUOR | 74IHN | 02 |
| 0.4 | 0.27 | * | FAA | 81MEY | 01 |
| 0.69 | 0.06 | * | NAA | 78GAN | 01 |
| 0.75 | | * | FAA | 74IHN | 01 |
| 0.774 | | * | HAA | 77IHN | 01 |
| 0.9 | | 11 | FAA | 82VER | 03 |
| 0.91 | | | FLUOR | 78EGA | 01 |
| 0.92 | 0.18 | 6 | ITNA | 74BEC | 01 |
| 0.92 | 0.04 | | HAA | 82SUB | 01 |
| 0.95 | 0.03 | | HAA | 78EGA | 01 |
| 0.97 | 0.03 | | ICPES | 80HAA | 01 |
| 0.972 | | | FLUOR | 79TAM | 01 |
| 0.98 | 0.03 | | DCP | 81CAR | 02 |
| 0.98 | 0.05 | | ITNA | 76DIK | 01 |
| 0.98 | 0.15 | 34 | CPXRF | 78JOL | 01 |
| 0.98 | 0.06 | | AA | 79PAV | 02 |
| 0.98 | 0.03 | | GCMES | 74TAL | 02 |
| 0.98 | 0.01 | | HAA | 76FIO | 01 |
| 1. | 0.2 | | CPXRF | 80MAE | 01 |
| 1. | 0.1 | 11 | HAA | 82JON | 01 |
| 1. | | 11 | FAA | 82VER | 03 |
| 1. | 0.01 | | ITNA | 79SAT | 01 |
| 1. | | | HAA | 78WEL | 01 |
| 1. | | 17 | UU | 74MAS | 01 |
| 1. | 0.02 | | FAA | 76IHN | 02 |
| 1. | 0.4 | | CPXRF | 78VIS | 01 |
| 1. | 0.1 | | RTNA | 75ABU | 01 |
| 1. | 0.04 | | FAA | 76IHN | 01 |
| 1.01 | 0.04 | | ITNA | 79CHA | 04 |
| 1.02 | | | ITNA | 81HAN | 01 |
| 1.02 | 0.03 | | RTNA | 77LIE | 01 |
| 1.02 | 0.438 | 5 | RTNA | 82TIN | 01 |
| 1.02 | | | ITNA | 81MEY | 01 |

TABLE L (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 1.02 | 0.04 | | HAA | 80AGE | 02 |
| 1.02 | 0.03 | 9 | ITNA | 81SUZ | 01 |
| 1.02 | 0.03 | | RTNA | 75LIE | 01 |
| 1.02 | | 17 | UU | 74MAS | 01 |
| 1.03 | | 6 | FAA | 77SHU | 01 |
| 1.03 | 0.09 | | ITNA | 81MOL | 01 |
| 1.03 | 0.04 | 11 | HAA | 82JON | 01 |
| 1.03 | 0.03 | | RTNA | 77RAI | 01 |
| 1.03 | 0.03 | | ITNA | 79RAI | 01 |
| 1.04 | 0.1 | | RTNA | 80KNA | 01 |
| 1.04 | 0.07 | | ITNA | 74WES | 01 |
| 1.04 | | | FLUOR | 74IHN | 01 |
| 1.045 | 0.04 | | ITNA | 77EGA | 01 |
| 1.05 | 0.19 | | ITNA | 79LAK | 01 |
| 1.05 | 0.12 | | RTNA | 80SLO | 01 |
| 1.05 | | 6 | FAA | 77SHU | 01 |
| 1.05 | 0.05 | | HAA | 80VIJ | 01 |
| 1.053 | 0.051 | | COLOR | 79SZY | 02 |
| 1.06 | | | FAA | 78CAP | 01 |
| 1.06 | 0.11 | 11 | RTNA | 82POL | 01 |
| 1.06 | 0.1 | | RTNA | 77TJI | 01 |
| 1.06 | 0.06 | | RTNA | 78GAL | 01 |
| 1.069 | 0.016 | | ITNA | 82DAM | 01 |
| 1.07 | | | RTNA | 75STE | 02 |
| 1.07 | 0.11 | | ITNA | 78HIR | 01 |
| 1.07 | 0.04 | | GC-MS | 81REA | 02 |
| 1.07 | 0.19 | | RTNA | 79ROS | 02 |
| 1.07 | 0.06 | 5 | ITNA | 81SUZ | 01 |
| 1.07 | 0.1 | | RTNA | 79MAY | 01 |
| 1.07 | 0.18 | | RTNA | 79PLA | 01 |
| 1.08 | 0.12 | | ITNA | 77GUI | 02 |
| 1.08 | 0.01 | | ITNA | 74LIN | 01 |
| 1.08 | 0.015 | | FAA | 80NEV | 01 |
| 1.08 | 0.2 | | FAA | 79RAI | 01 |
| 1.08 | 0.05 | | ASV | 76AND | 01 |
| 1.08 | 0.13 | 6 | ITNA | 74BEC | 01 |
| 1.09 | 0.06 | | HAA | 81HAN | 01 |
| 1.09 | 0.02 | 34 | HAA | 78FLA | 01 |
| 1.09 | 0.08 | | RTNA | 79WAR | 02 |
| 1.09 | 0.02 | | AA | 79FLA | 02 |
| 1.09 | 0.05 | | RTNA | 74ORV | 01 |
| 1.1 | 0.06 | 11 | GC | 81UCH | 02 |
| 1.1 | 0.06 | | FLUOR | 80KOH | 01 |
| 1.1 | 0.2 | | HAA | 82MAY | 01 |
| 1.1 | 0.05 | 11 | GC | 81UCH | 02 |
| 1.1 | 0.1 | | GC | 77POO | 01 |
| 1.1 | | 11 | FAA | 82VER | 03 |
| 1.1 | 0.02 | | XRF | 81KNA | 01 |
| 1.1 | 0.1 | 9 | ITNA | 80WAN | 01 |
| 1.1 | | | ITNA | 80CRE | 01 |
| 1.1 | 0.17 | 9 | ITNA | 77VOB | 01 |
| 1.1 | 0.2 | | EXRF | 79GIA | 01 |
| 1.1 | | | ITNA | 77OSB | 01 |
| 1.1 | 0.13 | 11 | RTNA | 82POL | 01 |
| 1.1 | 0.4 | 5 | ITNA | 80TOU | 01 |
| 1.1 | 0.3 | | ITNA | 79ZEI | 01 |
| 1.1 | | | FAA | 77YAS | 01 |
| 1.1 | 0.17 | 9 | ITNA | 79PAV | 02 |
| 1.1 | 0.17 | 9 | ITNA | 77VOB | 01 |
| 1.1 | | | ITNA | 78CAP | 01 |
| 1.107 | 0.15 | | NAA | 76GUZ | 01 |
| 1.11 | 0.08 | 13 | ITNA | 73BLO | 02 |
| 1.11 | 0.04 | | SSMS | 77ROO | 02 |

TABLE L (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 1.11 | 0.05 | | RTNA | 74BYR | 03 |
| 1.11 | 0.02 | | SSMS | 77PAU | 01 |
| 1.11 | 0.1 | | ITNA | 79CHA | 02 |
| 1.11 | 0.06 | | HAA | 76IHN | 02 |
| 1.12 | 0.1 | | ASV | 81POS | 01 |
| 1.12 | 0.08 | | RTNA | 77ROO | 02 |
| 1.12 | 0.08 | 11 | RTNA | 82POL | 01 |
| 1.12 | 0.08 | | RTNA | 72ROO | 03 |
| 1.12 | 0.12 | 6 | FLUOR | 75OLS | 01 |
| 1.12 | 0.075 | | HAA | 81MEY | 01 |
| 1.12 | 0.03 | | ASV | 75AND | 01 |
| 1.12 | 0.09 | 7 | RTNA | 81KUC | 01 |
| 1.13 | | 17 | UU | 74MAS | 01 |
| 1.13 | 0.09 | | ITNA | 73COR | 01 |
| 1.133 | 0.122 | | ITNA | 82MOR | 02 |
| 1.14 | 0.05 | | ITNA | 80MAE | 01 |
| 1.14 | 0.11 | | ITNA | 79PAV | 02 |
| 1.14 | 0.11 | | ITNA | 77VOB | 01 |
| 1.14 | 0.091 | | HAA | 82TAM | 01 |
| 1.14 | 0.11 | | ITNA | 77JUR | 02 |
| 1.14 | 0.04 | | ITNA | 78MCK | 01 |
| 1.14 | 0.11 | | ITNA | 78BEH | 01 |
| 1.16 | | | CSV | 81HAN | 01 |
| 1.17 | 0.06 | 6 | FLUOR | 75OLS | 01 |
| 1.18 | 0.14 | | RTNA | 74HEN | 01 |
| 1.19 | 0.11 | 13 | ITNA | 73BLO | 02 |
| 1.2 | 0.1 | | ITNA | 80WAN | 01 |
| 1.2 | | 1 | IENA | 79KUC | 01 |
| 1.2 | 0.1 | | ITNA | 81KRI | 01 |
| 1.2 | | | ICPES | 80HAA | 01 |
| 1.2 | | | ITNA | 79KUC | 01 |
| 1.2 | 0.16 | | HAA | 81REA | 01 |
| 1.2 | 0.155 | | ITNA | 77HAM | 01 |
| 1.2 | | 7 | RTNA | 81KUC | 01 |
| 1.2 | | | FAA | 77YAS | 01 |
| 1.2 | 0.2 | | HAA | 81COX | 01 |
| 1.2 | 0.1 | | NAA | 77GIL | 01 |
| 1.2 | 0.1 | | CPXRF | 77WIL | 02 |
| 1.2 | 0.11 | | RTNA | 77OMI | 01 |
| 1.2 | 0.1 | | RTNA | 77GIL | 03 |
| 1.2 | 0.1 | | RTNA | 77MEL | 01 |
| 1.204 | 0.124 | | HAA | 77IHN | 03 |
| 1.22 | 0.04 | | COLOR | 81TOE | 01 |
| 1.23 | | 17 | UU | 74MAS | 01 |
| 1.24 | 0.04 | | GC | 81TOE | 01 |
| 1.26 | | 17 | UU | 74MAS | 01 |
| 1.26 | 0.15 | 5 | FLUOR | 81SUZ | 01 |
| 1.3 | 0.4 | * | RTNA | 74SCH | 03 |
| 1.4 | 0.1 | * | EXRF | 80DYC | 01 |
| 1.4 | | * | FAA | 82INU | 01 |
| 1.4 | 0.5 | *6 | CPXRF | 77WIL | 03 |
| 1.7 | | * | ITNA | 73NAD | 01 |
| 1.7 | 0.1 | * | ITNA | 78FUR | 01 |
| 7.65 | 0.277 | 5* | RTNA | 82TIN | 01 |
| 13.376 | 0.926 | 5* | RTNA | 82TIN | 01 |

Se(VI) (ppm)

| | | | | | |
|---|---|---|---|---|---|
| 0.3 | 0.07 | | GC | 81TOE | 01 |
| 0.31 | 0.11 | | COLOR | 81TOE | 01 |

TABLE L (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Si (ppm) | | | | | |
| 16.7 | 0.67 | | ITNA | 75PIE | 01 |
| 16.79 | 1.84 | | NAA | 76GUZ | 01 |
| Sm (ppb) | | | | | |
| 1. | 0.2 | | RTNA | 74HEN | 01 |
| 1.3 | 0.4 | | RTNA | 80SLO | 01 |
| 1.6 | | | RTNA | 82LAU | 01 |
| 1.6 | | | RTNA | 77LAU | 02 |
| 1.9 | 0.2 | | RTNA | 76GAU | 01 |
| 2.8 | | * | ITNA | 80CRE | 01 |
| 35. | 24. | * | RTNA | 74SCH | 03 |
| Sn (ppb) | | | | | |
| | 240. | L* | RTNA | 81KUC | 01 |
| | 1500. | L* | ICPES | 78CAP | 01 |
| | 600. | L* | RTNA | 75LIE | 01 |
| | 600. | L* | RTNA | 77LIE | 01 |
| 10. | | | HAA | 79EVA | 01 |
| 21. | 3. | | RTNA | 77BYR | 01 |
| 220. | 180. | | ICPES | 80HAA | 01 |
| Sr (ppb) | | | | | |
| | 1000. | L* | EXRF | 79GIA | 01 |
| | 9000. | L* | 14NAA | 77VAN | 01 |
| 150. | 20. | | RTNA | 76GAU | 01 |
| 160. | | | ICPES | 78DAH | 01 |
| 160. | 20. | | FAA | 82SUZ | 03 |
| 300. | 60. | | ICPES | 79ABE | 01 |
| 500. | 180. | *34 | CPXRF | 78JOL | 01 |
| 2000. | 800. | * | 14NAA | 81WIL | 02 |
| Ta (ppb) | | | | | |
| 3. | | | ITNA | 80CRE | 01 |
| Tb (ppb) | | | | | |
| | 1.6 | L* | RTNA | 76GAU | 01 |
| 0.17 | | | RTNA | 82LAU | 01 |
| 0.18 | | | RTNA | 77LAU | 02 |
| 2. | | | ITNA | 80CRE | 01 |
| Te (ppb) | | | | | |
| 90. | 15. | | RTNA | 77DIK | 01 |
| Th (ppb) | | | | | |
| | 1000. | L* | EXRF | 79GIA | 01 |
| 3. | 6. | R* | RTNA | 80SLO | 01 |
| 6.8 | | | ITNA | 80CRE | 01 |
| Ti (ppm) | | | | | |
| | 4. | L* | 14NAA | 81WIL | 02 |
| | 0.15 | L* | ICPES | 78CAP | 01 |
| | 11. | L* | EXRF | 79GIA | 01 |
| 0.7 | 0.2 | | COLOR | 82KIR | 02 |

TABLE L (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 1.7 | 0.2 | | ICPES | 79ABE | 01 |
| 2. | 1. | | CPAA | 77ZIK | 01 |
| 3.2 | 1. | | 14NAA | 81WIL | 01 |
| Tl (ppb) | | | | | |
| 48. | 3. | | SSMS | 77PAU | 01 |
| Tm (ppb) | | | | | |
| | 0.3 | L* | RTNA | 76GAU | 01 |
| 0.1 | | | RTNA | 82LAU | 01 |
| 0.15 | | | RTNA | 77LAU | 02 |
| U (ppb) | | | | | |
| | 20. | L* | ITNA | 74WEA | 01 |
| | 2000. | L* | EXRF | 79GIA | 01 |
| | 100. | L* | RTNA | 76GAU | 01 |
| 0.99 | 0.25 | 35 | DNA | 80GLA | 04 |
| 1. | 1.6 | | DNA | 83GLA | 01 |
| 20. | 48. | R* | DNA | 81GLA | 03 |
| V (ppb) | | | | | |
| | 20. | L* | RTNA | 77BUO | 01 |
| | 40. | L* | ITNA | 74HOF | 01 |
| | 6000. | L* | EXRF | 79GIA | 01 |
| | 20. | L* | ITNA | 74HOF | 01 |
| 15. | 5. | * | COLOR | 82KIR | 01 |
| 33. | 3. | | RTNA | 79WAR | 02 |
| 55. | 1. | | FAA | 77MYR | 01 |
| 56. | 7. | | UU | 73STE | 01 |
| 56. | | 17 | UU | 74MAS | 01 |
| 58.6 | 1.6 | | RTNA | 78BYR | 01 |
| 59. | | | NAA | 80KOS | 02 |
| 60. | 5. | | RTNA | 79CHA | 02 |
| 60. | | | ICPES | 80HAA | 01 |
| 61.5 | 2. | | RTNA | 79COR | 01 |
| 61.5 | 2. | | RTNA | 81COR | 02 |
| 65. | 2. | | RTNA | 82BYR | 01 |
| 66.2 | 4.9 | | RTNA | 78ALL | 04 |
| 90. | 60. | *11 | ICPES | 82JON | 01 |
| 320. | 80. | * | RTNA | 77GUI | 03 |
| 460. | | * | ITNA | 78CAP | 01 |
| 500. | 100. | * | ITNA | 77ZIK | 01 |
| 600. | 100. | * | ICPES | 79ABE | 01 |
| W (ppb) | | | | | |
| 5. | 3. | | RTNA | 74SCH | 03 |
| 5. | | 17 | UU | 74MAS | 01 |
| 12. | | | RTNA | 76GAU | 01 |
| 15. | | | RTNA | 75STE | 02 |
| 30. | | 17 | UU | 74MAS | 01 |
| 700. | 100. | * | RTNA | 80SLO | 01 |
| Y (ppm) | | | | | |
| | 14. | L* | 14NAA | 81WIL | 01 |
| | 1. | L* | EXRF | 79GIA | 01 |

TABLE L (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Yb (ppb) | | | | | |
| 0.28 | | | RTNA | 82LAU | 01 |
| 0.285 | | | RTNA | 77LAU | 02 |
| 0.48 | 0.09 | | RTNA | 76GAU | 01 |
| 830. | | * | ITNA | 73NAD | 01 |
| Zn (ppm) | | | | | |
| | 12000. | L* | ITNA | 80TOU | 01 |
| 13.17 | 17.59 | * | AA | 79MON | 01 |
| 32. | | * | ASV | 74COP | 01 |
| 65. | 15. | * | FAA | 77FUJ | 01 |
| 78. | 25. | * | 14NAA | 81WIL | 01 |
| 98. | 122. | R* | ITNA | 79IMA | 01 |
| 98. | 122. | R* | ITNA | 79IMA | 03 |
| 101. | | *17 | UU | 74MAS | 01 |
| 104. | | * | CPXRF | 78UEM | 01 |
| 112. | | | XRF | 80SUZ | 02 |
| 112. | 15. | | ICPES | 81BLA | 01 |
| 112.6 | 1.1 | | FAA | 81CLE | 02 |
| 116. | | | ITNA | 73NAD | 01 |
| 116. | 18. | | CPXRF | 80MAE | 01 |
| 117. | 13. | | AA | 79MAN | 01 |
| 118. | 4. | 6 | POL | 72SIN | 01 |
| 118. | | 11 | ASV | 81DAN | 01 |
| 118. | 21. | | RTNA | 82KIM | 01 |
| 118.2 | 7.8 | | IENA | 75MAZ | 01 |
| 119. | | 6 | POL | 72SIN | 01 |
| 120. | 6. | 11 | ICPES | 81BLA | 02 |
| 120. | | 17 | UU | 74MAS | 01 |
| 121.9 | | | RTNA | 74RAV | 01 |
| 122. | 3. | | NAA | 78GAN | 01 |
| 122. | 9. | | ITNA | 79LAK | 01 |
| 122. | 3. | | EXRF | 80DYC | 01 |
| 122. | | 11 | FAA | 81DAN | 01 |
| 123. | 5. | | ITNA | 74WES | 01 |
| 123. | 25. | | ITNA | 78FUR | 01 |
| 123.8 | 1.2 | | FAA | 74GRO | 01 |
| 124. | | 6 | POL | 72SIN | 01 |
| 124. | 10. | | ICPES | 80SCH | 05 |
| 124. | 14. | | CPXRF | 79MAN | 01 |
| 124. | | | ITNA | 78CAP | 01 |
| 124. | | 17 | UU | 74MAS | 01 |
| 124. | 7. | | FAA | 74TAL | 01 |
| 124. | 7. | 7 | AA | 73TAL | 01 |
| 124. | 7.3 | 11 | RTNA | 74WES | 01 |
| 124.4 | | | RTNA | 75HAL | 01 |
| 125. | 5. | | NAA | 77GIL | 01 |
| 125. | | | ITNA | 79KUC | 01 |
| 125. | 5. | | RTNA | 77GIL | 03 |
| 125. | 2. | | AA | 79FLA | 02 |
| 125. | 16. | | ITNA | 77HAM | 01 |
| 125. | | | RTNA | 75STE | 02 |
| 125.7 | 10.6 | 34 | CPXRF | 78JOL | 01 |
| 126. | 5. | | ITNA | 81MOL | 01 |
| 126. | 71. | | ITNA | 82KIM | 01 |
| 126. | 2. | | ITNA | 80MAE | 01 |
| 126. | 8. | | FAA | 79WAR | 01 |
| 126. | 4. | | SSMS | 77PAU | 01 |
| 126. | 9. | | RTNA | 74ORV | 01 |

TABLE L (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 126. | | | FAA | 75SLA | 01 |
| 126. | 4. | | FAA | 74TAL | 01 |
| 126. | 4. | 7 | AA | 73TAL | 01 |
| 127. | 9. | | ITNA | 81KRI | 01 |
| 127. | | 11 | FAA | 81DAN | 01 |
| 127. | | 1 | IENA | 79KUC | 01 |
| 127. | 1. | | RTNA | 80SLO | 01 |
| 127. | 8. | 11 | RTNA | 74WES | 01 |
| 127. | 4. | | AA | 80UCH | 01 |
| 127.9 | 9.1 | 6 | ITNA | 74BEC | 01 |
| 128. | | 7 | RTNA | 81KUC | 01 |
| 128. | 14. | | CPAA | 77ZIK | 01 |
| 128. | 5. | | ITNA | 79SAT | 01 |
| 128. | 10. | | CPXRF | 80KIR | 01 |
| 128. | 7. | | RTNA | 79DER | 01 |
| 128. | 14. | | EXRF | 77NIE | 01 |
| 128. | 3.6 | 11 | AA | 74WES | 01 |
| 128. | 3. | | FAA | 81CLE | 01 |
| 128. | 12. | | ITNA | 79CHA | 02 |
| 128. | 6. | | AA | 75HIN | 01 |
| 128. | | | DCP | 78NAK | 01 |
| 128.6 | 0.7 | | ITNA | 82DAM | 01 |
| 128.6 | | | AA | 79LOC | 01 |
| 129. | | | ICPES | 80HAA | 01 |
| 129. | 3. | | ITNA | 74DON | 01 |
| 129. | 16. | 32 | CPXRF | 77CRO | 01 |
| 129. | | | ITNA | 80CRE | 01 |
| 129. | | 1 | IENA | 79KUC | 01 |
| 129. | 4. | | ITNA | 79WAR | 01 |
| 129. | 4. | | RTNA | 79WAR | 02 |
| 130. | | 11 | AA | 81MOH | 01 |
| 130. | 4. | 11 | ICPES | 81BLA | 02 |
| 130. | 5. | 1 | ICPES | 78SUD | 01 |
| 130. | | | OES | 75BOL | 02 |
| 130. | 7. | | CPXRF | 78VIS | 01 |
| 131. | 1.4 | | AA | 80AGE | 01 |
| 131. | 13.5 | | PAA | 76KAT | 04 |
| 131. | 2. | | ICPES | 79MCQ | 01 |
| 131. | | 17 | UU | 74MAS | 01 |
| 131. | 1. | | ICPES | 79MCQ | 02 |
| 131. | 1. | | AA | 75ABU | 01 |
| 131. | 1. | | AA | 75EPS | 01 |
| 131.8 | 6.5 | | ITNA | 73COR | 01 |
| 132. | 3.3 | 6 | CPXRF | 77WIL | 03 |
| 132. | 5. | | AA | 79MCQ | 01 |
| 132. | 6. | 7 | RTNA | 81KUC | 01 |
| 132. | 7. | | AA | 80IID | 01 |
| 132. | 1. | | AF | 75EPS | 01 |
| 132. | 3. | | GC | 81BLA | 01 |
| 132. | 7. | 1 | AA | 77UCH | 02 |
| 133. | 7. | | ITNA | 77JUR | 02 |
| 133. | | 11 | ASV | 81DAN | 01 |
| 133. | 7. | | ITNA | 78BEH | 01 |
| 133. | 6. | | ICPES | 78JAC | 01 |
| 133.9 | 6.8 | | ITNA | 79ZEI | 01 |
| 134. | 2. | | RTNA | 77MEL | 01 |
| 134. | 7. | 11 | ICPES | 82JON | 01 |
| 134. | 4. | 1 | AA | 77UCH | 02 |
| 134. | 2. | | EXRF | 79GIA | 01 |
| 134. | 5. | | RTNA | 77TJI | 01 |
| 134. | 7.2 | | RTNA | 79PLA | 01 |

TABLE L (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 134. | 6. | 11 | ICPES | 82JON | 01 |
| 134. | 10. | | FAE | 74TAL | 01 |
| 134. | 3. | | AA | 79WAR | 01 |
| 134. | 5. | 7 | AE+AF | 73TAL | 01 |
| 134. | 5. | | FAE | 74TAL | 01 |
| 134. | 10. | 7 | AE+AF | 73TAL | 01 |
| 134. | | 17 | UU | 74MAS | 01 |
| 135. | 5. | | RTNA | 77LIE | 01 |
| 135. | 2. | 11 | ICPES | 82JON | 01 |
| 135. | | | ICPES | 78CAP | 01 |
| 135. | | | AE+AF | 79ULL | 01 |
| 135. | 5. | | RTNA | 75LIE | 01 |
| 135. | 4. | 11 | ICPES | 82JON | 01 |
| 135. | | 17 | UU | 74MAS | 01 |
| 135. | 1. | | ITNA | 74LIN | 01 |
| 136. | 6. | | RTNA | 76GAU | 01 |
| 136. | 9. | | RTNA | 74HEN | 01 |
| 136. | | 17 | UU | 74MAS | 01 |
| 137. | 9. | 5 | ITNA | 80TOU | 01 |
| 137. | 4. | | ITNA | 74GUI | 01 |
| 137.2 | 5.75 | | NAA | 76GUZ | 01 |
| 139. | | 17 | UU | 74MAS | 01 |
| 140. | | 11 | AA | 81MOH | 01 |
| 140. | | | ITNA | 77OSB | 01 |
| 140. | | | ICPES | 78DAH | 01 |
| 140. | 16. | | RTNA | 77KUS | 01 |
| 140. | 29. | | XRF | 77SMI | 04 |
| 141. | 2. | | DCP | 79REE | 01 |
| 141. | 2. | D* | DCP | 81REE | 01 |
| 141. | 16. | 5 | RTNA | 74SCH | 03 |
| 141.7 | 5.3 | 6 | ITNA | 74BEC | 01 |
| 142. | | | AA | 80EVA | 01 |
| 142. | 11. | | ITNA | 77ZIK | 01 |
| 143. | 19. | | ICPES | 79ABE | 01 |
| 144. | 12. | 6 | CPXRF | 77WIL | 03 |
| 145. | | | FAA | 78CAP | 01 |
| 145. | 5. | | CPXRF | 77WIL | 02 |
| 145.5 | | | ITNA | 82AKA | 01 |
| 147. | 7.3 | 11 | AA | 74WES | 01 |
| 148. | 74. | | CPXRF | 76ZEI | 01 |
| 148. | 15. | | CPAA | 78MCG | 01 |
| 150. | 10. | | PAA | 76WIL | 01 |
| 156. | 6.2 | * | CPXRF | 81ROB | 02 |
| 157. | 20. | * | ICPES | 78SUD | 01 |
| 159. | 8. | * | RTNA | 74SCH | 03 |
| 160. | | *17 | UU | 74MAS | 01 |
| 160. | | *17 | UU | 74MAS | 01 |
| 162. | 31. | *32 | CPXRF | 77CRO | 01 |
| 200. | 40. | * | 14NAA | 81WIL | 02 |
| Zr (ppm) | | | | | |
| | 3. | L* | EXRF | 79GIA | 01 |
| | 0.5 | L* | 14NAA | 81WIL | 02 |
| | 3. | L* | 14NAA | 81WIL | 01 |
| 3.4 | 0.4 | | PAA | 79CHA | 02 |
| 4. | 3. | | CPAA | 77ZIK | 01 |

TABLE M

NBS SRM 1621—COLLECTED DATA

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| S (%) | | | | | |
| 0.9 | 0.1 | | MECA | 80MCC | 01 |
| 0.99 | 0.03 | | IC | 80MCC | 01 |
| 1.05 | 0.03 | | TITR | 80MCC | 01 |
| 1.06 | | | XRF | 80MCC | 01 |

TABLE N

NBS SRM 1621A—COLLECTED DATA

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| S (%) | | | | | |
| 0.89 | 0.07 | | POL | 81REL | 01 |
| 0.93 | 0.02 | | ICPES | 81WAL | 02 |
| 0.931 | 0.01 | | IC | 82VIS | 01 |
| 0.945 | 0.014 | | TITR | 82VIS | 01 |
| 0.97 | 0.009 | 6 | EXRF | 81CHR | 01 |
| 0.973 | 0.008 | 6 | EXRF | 81CHR | 01 |

TABLE O

NBS SRM 1622A—COLLECTED DATA

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| S (%) | | | | | |
| 1.6 | 0.1 | | POL | 81REL | 01 |
| 1.948 | 0.018 | 6 | EXRF | 81CHR | 01 |
| 2.011 | 0.015 | 6 | EXRF | 81CHR | 01 |
| 2.02 | 0.02 | | ICPES | 81WAL | 02 |

TABLE P

NBS SRM 1623—COLLECTED DATA

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| S (ppm) | | | | | |
| 2600. | 200. | | MECA | 80MCC | 01 |
| 2650. | 40. | | IC | 80MCC | 01 |
| 2700. | | | XRF | 80MCC | 01 |
| 2900. | 500. | | TITR | 80MCC | 01 |

TABLE Q

NBS SRM 1624—COLLECTED DTA

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| S (ppm) | | | | | |
| 1900. | 100. | | ICPES | 81WAL | 02 |
| 2030. | 50. | | TITR | 82VIS | 01 |
| 2080. | 210. | | IC | 82VIS | 01 |
| 2200. | 200. | | POL | 81REL | 01 |

TABLE R

NBS SRM 1630—COLLECTED DATA

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Al (ppm) | | | | | |
| 5300. | | | VV | 77GLU | 01 |
| As (ppm) | | | | | |
| 19. | | | VV | 77GLU | 01 |
| Ash (%) | | | | | |
| 2.2 | | | CB | 77GLU | 01 |
| B (ppm) | | | | | |
| 5. | | | VV | 77GLU | 01 |
| Be (ppm) | | | | | |
| 1. | | | VV | 77GLU | 01 |
| Br (ppm) | | | | | |
| 29. | | | VV | 77GLU | 01 |
| 37. | | | ITNA | 74TAM | 01 |
| Ca (ppm) | | | | | |
| 700. | | | VV | 77GLU | 01 |
| Cd (ppm) | | | | | |
| | 0.2 | L* | VV | 77GLU | 01 |
| Cl (ppm) | | | | | |
| 2220. | | | VV | 77GLU | 01 |
| Co (ppm) | | | | | |
| 3.6 | 0.18 | | ITNA | 74TAM | 01 |
| 6. | | | VV | 77GLU | 01 |
| Cr (ppm) | | | | | |
| 7.1 | 0.35 | | ITNA | 74TAM | 01 |
| 8. | | | VV | 77GLU | 01 |

TABLE R (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Cu (ppm) | | | | | |
| 16. | | | VV | 77GLU | 01 |
| F (ppm) | | | | | |
| 25. | | | VV | 77GLU | 01 |
| Fe (%) | | | | | |
| 0.51 | 0.02 | | ITNA | 74TAM | 01 |
| 1.04 | | | VV | 77GLU | 01 |
| Ga (ppm) | | | | | |
| 1.07 | 0.04 | | RTNA | 72SAN | 01 |
| 1.1 | | | VV | 77GLU | 01 |
| Ge (ppm) | | | | | |
| 1. | | | VV | 77GLU | 01 |
| H2O- (%) | | | | | |
| 0.4 | | | GRAV | 77GLU | 01 |
| Hg (ppb) | | | | | |
| 104. | 6. | | CVAA | 80NAD | 01 |
| 105. | | | RTNA | 74RIC | 01 |
| 105. | 30. | | RTNA | 72LYO | 01 |
| 106. | | | ITNA | 74RIC | 01 |
| 118. | 11. | | FAE | 76CAV | 01 |
| 120. | 10. | | CVAA | 73LO | 01 |
| 124. | 11. | | CVAA | 82DOO | 01 |
| 125. | 10. | | CVAA | 75WIM | 01 |
| 127. | 6. | | RTNA | 72RAI | 01 |
| 127. | 5. | | RTNA | 74ORV | 01 |
| 127. | 12. | | RTNA | 72ROO | 01 |
| 130. | 10. | | RTNA | 75LIT | 01 |
| 130. | 10. | | ITNA | 74TAM | 01 |
| 135. | | | OES | 75PEC | 01 |
| 136. | 7. | | FAA | 82UCH | 02 |
| 139. | 12. | | FAA | 72ROO | 01 |
| 139. | 7. | | CVAA | 72RAI | 01 |
| 140. | | | VV | 77GLU | 01 |
| 150. | | | CVAA | 75MUR | 01 |
| 486. | 60. | * | ITNA | 75LIT | 01 |
| K (ppm) | | | | | |
| 800. | | | VV | 77GLU | 01 |
| La (ppm) | | | | | |
| 4.4 | | | ITNA | 74TAM | 01 |
| Mg (ppm) | | | | | |
| 200. | | | VV | 77GLU | 01 |

TABLE R (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Mn (ppm) | | | | | |
| 6. | | | VV | 77GLU | 01 |
| Mo (ppm) | | | | | |
| 2. | | | VV | 77GLU | 01 |
| Na (ppm) | | | | | |
| 320. | | | VV | 77GLU | 01 |
| 490. | | | ITNA | 74TAM | 01 |
| Ni (ppm) | | | | | |
| 10. | | | VV | 77GLU | 01 |
| P (ppm) | | | | | |
| 17. | | | VV | 77GLU | 01 |
| Pb (ppm) | | | | | |
| 4. | | | VV | 77GLU | 01 |
| S (%) | | | | | |
| 1.07 | | | CB | 77GLU | 01 |
| 1.37 | | | XRF | 77GLU | 01 |
| Sb (ppm) | | | | | |
| 0.6 | | | VV | 77GLU | 01 |
| 1.7 | 0.51 | | ITNA | 74TAM | 01 |
| Sc (ppm) | | | | | |
| 1.4 | 0.06 | | ITNA | 74TAM | 01 |
| Se (ppm) | | | | | |
| 2. | | | VV | 77GLU | 01 |
| 2.09 | 0.06 | | RTNA | 74ORV | 01 |
| 2.11 | 0.09 | | RTNA | 72ROO | 03 |
| 2.11 | 0.09 | | RTNA | 77ROO | 02 |
| 2.12 | 0.09 | | ICPES | 80HAA | 01 |
| 2.6 | 0.21 | | ITNA | 74TAM | 01 |
| Si (ppm) | | | | | |
| 7200. | | | VV | 77GLU | 01 |
| Sn (ppm) | | | | | |
| 6. | | | VV | 77GLU | 01 |
| Ti (ppm) | | | | | |
| 500. | | | VV | 77GLU | 01 |
| V (ppm) | | | | | |
| 24. | | | VV | 77GLU | 01 |

TABLE R (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Zn (ppm) | | | | | |
| 6. | | | VV | 77GLU | 01 |
| Zr (ppm) | | | | | |
| 21. | | | VV | 77GLU | 01 |

TABLE S

NBS SRM 1631A—COLLECTED DATA

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| S (ppm) | | | | | |
| 5260. | 350. | | TITR | 80ARO | 01 |
| 5460. | | | IC | 77SMI | 05 |
| 5490. | | | TITR | 74HIC | 01 |
| 5900. | 400. | | TCGS | 77JUR | 01 |

TABLE T

NBS SRM 1631B—COLLECTED DATA

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| S (%) | | | | | |
| 1.92 | | | TITR | 74HIC | 01 |
| 1.97 | | | IC | 77SMI | 05 |
| 2.02 | 0.05 | | TCGS | 77JUR | 01 |
| 2.042 | 0.067 | | TITR | 80ARO | 01 |

TABLE U

NBS SRM 1631C—COLLECTED DATA

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| S (%) | | | | | |
| 2.98 | 0.02 | | TCGS | 77JUR | 01 |
| 2.99 | | | TITR | 74HIC | 01 |
| 3.09 | | | IC | 77SMI | 05 |
| 3.117 | 0.097 | | TITR | 80ARO | 01 |

TABLE V

NBS SRM 1632—COLLECTED DATA

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Ag (ppb) | | | | | |
| | 200. | L* | ICPES | 81CHU | 01 |
| | 2500. | *34 | WXRF | 82MIL | 01 |
| | 200. | L* | ITNA | 77CAH | 01 |
| | 220. | L* | ITNA | 82SUZ | 02 |
| | 140. | L* | ITNA | 77MAE | 01 |
| | 400. | L* | PAA | 76CHA | 01 |
| | 100. | L* | ITNA | 75RUC | 01 |
| | 150. | L* | OES | 76WEW | 01 |
| 45. | 5. | | RTNA | 77NAD | 02 |
| 60. | 30. | | ITNA | 73ABE | 01 |
| 60. | 30. | | ITNA | 75OND | 01 |
| 70. | 34. | | SSMS | 77PAU | 01 |
| 80. | | | AA | 76WEW | 01 |
| 1050. | 100. | * | PAA | 74CHA | 01 |
| Al (%) | | | | | |
| 1.51 | 0.08 | | NAA | 76HAN | 01 |
| 1.57 | 0.155 | | ITNA | 73SHE | 01 |
| 1.57 | | 4 | AA | 79REI | 01 |
| 1.59 | 0.2 | | ITNA | 76RAG | 01 |
| 1.6 | | | ICPES | 80NAD | 01 |
| 1.6 | 0.2 | 35 | ITNA | 81GLA | 03 |
| 1.62 | 0.13 | | ITNA | 78MAC | 01 |
| 1.64 | | | ICPES | 80NAD | 01 |
| 1.66 | | | ICPES | 80NAD | 01 |
| 1.68 | 0.04 | D* | TCGS | 80AND | 01 |
| 1.68 | 0.04 | | TCGS | 79FAI | 01 |
| 1.71 | 0.05 | | ITNA | 77MAE | 01 |
| 1.71 | 0.07 | | ITNA | 78LAU | 02 |
| 1.72 | 0.09 | | ITNA | 75RIC | 01 |
| 1.73 | 0.04 | | ITNA | 76BLO | 01 |
| 1.74 | 0.04 | | ITNA | 77ROW | 03 |
| 1.74 | 0.4 | | ITNA | 76STE | 05 |
| 1.76 | 0.31 | | ITNA | 78NAD | 02 |
| 1.76 | 0.31 | | ITNA | 75NAD | 02 |
| 1.78 | 0.08 | | ITNA | 73ABE | 01 |
| 1.8 | 0.18 | | ITNA | 76WEW | 01 |
| 1.82 | 0.06 | | ICPES | 81CHU | 01 |
| 1.85 | 0.08 | | ITNA | 79GRE | 01 |
| 1.85 | | | ITNA | 77WEA | 01 |
| 1.85 | 0.13 | | ITNA | 75OND | 01 |
| 1.85 | 0.13 | | FAA | 77PIL | 01 |
| 1.86 | | | ICPES | 80NAD | 01 |
| 1.9 | 0.19 | | ITNA | 81WAN | 01 |
| 1.9 | | | ITNA | 75KLE | 01 |
| 2.1 | 1.05 | * | OES | 76WEW | 01 |
| 2.21 | | * | ITNA | 77GLU | 01 |
| 3. | 0.1 | * | ITNA | 82SUZ | 02 |
| As (ppm) | | | | | |
| | 10. | L* | ICPES | 81CHU | 01 |
| | 6. | L* | ICPES | 80NAD | 01 |
| | 6. | L* | ICPES | 80NAD | 01 |
| 3. | 2. | * | EXRF | 73SPA | 01 |
| 4.5 | 0.4 | * | ITNA | 75RIC | 01 |
| 4.6 | 0.3 | | ITNA | 78NAD | 02 |
| 4.61 | 0.32 | | ITNA | 75NAD | 02 |
| 4.7 | 0.5 | | ITNA | 78MAC | 01 |

TABLE V (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 4.7 | 1. | | EXRF | 79GIA | 01 |
| 5. | 0.6 | H | OES | 80CLA | 01 |
| 5.1 | 0.5 | | ITNA | 76KUC | 01 |
| 5.31 | | | ICPES | 81NAD | 01 |
| 5.4 | 0.5 | | COLOR | 77ARU | 01 |
| 5.4 | 0.3 | | FAE | 80DSI | 01 |
| 5.4 | 0.1 | | IENA | 78WAN | 01 |
| 5.5 | | | ITNA | 75KLE | 01 |
| 5.58 | 0.73 | | FAA | 82BEN | 01 |
| 5.6 | | | FAA | 78GUI | 01 |
| 5.6 | 0.36 | | FAA | 77ARU | 01 |
| 5.6 | 0.2 | | ITNA | 77ARU | 01 |
| 5.7 | 0.2 | H | FAE | 79FEL | 01 |
| 5.7 | 0.5 | | ITNA | 73ABE | 01 |
| 5.7 | | | ITNA | 77WEA | 01 |
| 5.7 | 0.13 | | RTNA | 75RUC | 01 |
| 5.7 | | | ITNA | 77GLU | 01 |
| 5.7 | 0.2 | | FAA | 78HAY | 01 |
| 5.75 | 0.37 | | PAA | 74CHA | 01 |
| 5.8 | 0.3 | | ITNA | 77MAE | 01 |
| 5.8 | 0.3 | | ITNA | 76RAG | 01 |
| 5.8 | 0.3 | | PAA | 77JER | 01 |
| 5.8 | 0.5 | | ITNA | 76BLO | 01 |
| 5.8 | 0.4 | | RTNA | 74ORV | 01 |
| 5.8 | 0.3 | | PAA | 76CHA | 01 |
| 5.9 | 0.4 | | ITNA | 81WAN | 01 |
| 5.9 | 0.3 | | ITNA | 79GRE | 01 |
| 5.9 | 0.5 | | ITNA | 73SHE | 01 |
| 6. | 0.3 | | ITNA | 78LAU | 02 |
| 6.1 | 0.3 | | GCMES | 75TAL | 01 |
| 6.1 | 0.55 | | ITNA | 77JER | 01 |
| 6.1 | 1.4 | | ITNA | 75OND | 01 |
| 6.1 | 0.4 | | ITNA | 77ROW | 04 |
| 6.2 | 0.8 | 6 | PAA | 82SEG | 01 |
| 6.2 | 1.3 | | ITNA | 77CAH | 01 |
| 6.27 | 0.89 | | RTNA | 77JER | 01 |
| 6.3 | 1. | 6 | PAA | 82SEG | 01 |
| 6.3 | 1. | | PAA | 80SEG | 01 |
| 6.3 | 0.2 | | IENA | 77ROW | 04 |
| 6.4 | 0.2 | | IENA | 77ROW | 03 |
| 6.5 | 1.4 | D* | NAA | 74OND | 01 |
| 6.5 | 0.5 | | ICPES | 80HAA | 01 |
| 6.5 | 1.2 | | IENA | 76STE | 05 |
| 6.5 | 0.3 | | NAA | 76HAN | 01 |
| 6.6 | | 34 | WXRF | 82MIL | 01 |
| 6.6 | 1.3 | | ITNA | 76WEW | 01 |
| 7. | | * | AA | 76WEW | 01 |
| 8. | 2. | * | PAA | 75OND | 01 |
| 8.9 | 0.2 | * | ITNA | 82SUZ | 02 |
| 8.9 | 0.5 | * | ITNA | 75RUC | 01 |
| Ash (%) | | | | | |
| 13.2 | | 34 | CB | 82MIL | 01 |
| Au (ppb) | | | | | |
| | 30. | L* | ITNA | 73ABE | 01 |
| | 300. | L* | ICPES | 81CHU | 01 |
| | 5000. | L* | OES | 76WEW | 01 |
| | 1. | | ITNA | 77CAH | 01 |
| | 20. | | ITNA | 75RUC | 01 |

TABLE V (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 0.85 | 0.03 | | RTNA | 77NAD | 02 |
| 0.99 | 0.16 | | RTNA | 77NAD | 01 |
| 146. | 48. | | ITNA | 73SHE | 01 |
| 200. | | | ITNA | 77WEA | 01 |
| B (ppm) | | | | | |
| 29. | | | ICPES | 81NAD | 01 |
| 30. | 1.1 | | OES | 76WEW | 01 |
| 42.1 | 0.7 | D* | TCGS | 80AND | 01 |
| 42.1 | 0.7 | | TCGS | 79FAI | 01 |
| 43. | | | VV | 77GLU | 01 |
| 47. | 1.6 | 6 | TCGS | 76GLA | 01 |
| 47.7 | 1.8 | 6 | TCGS | 76GLA | 01 |
| 47.7 | 1.6 | 6 | TCGS | 76GLA | 01 |
| 118. | | * | ITNA | 77GLU | 01 |
| Ba (ppm) | | | | | |
| 87. | 5. | *9 | ITNA | 82SUZ | 02 |
| 104. | 5. | * | ITNA | 82SUZ | 02 |
| 183. | | * | ICPES | 80NAD | 01 |
| 256. | | | ICPES | 80NAD | 01 |
| 274. | 31. | | ITNA | 76STE | 05 |
| 280. | | | ITNA | 75MIL | 01 |
| 300. | 60. | | ITNA | 78LAU | 02 |
| 301. | | 34 | WXRF | 82MIL | 01 |
| 302. | 8. | | ITNA | 76RAG | 01 |
| 306. | 20. | | IENA | 77ROW | 04 |
| 309. | 24. | | ITNA | 77ROW | 04 |
| 310. | | 35 | ITNA | 81GLA | 03 |
| 310. | 30. | | ITNA | 78MAC | 01 |
| 311. | 25. | | ITNA | 78NAD | 02 |
| 311. | 25. | | ITNA | 75NAD | 02 |
| 314. | 43. | | ITNA | 81WAN | 01 |
| 314. | 20. | | PAA | 74CHA | 01 |
| 315. | 20. | | PAA | 76CHA | 01 |
| 320. | 20. | | NAA | 76HAN | 01 |
| 322. | 20. | | IENA | 77ROW | 03 |
| 337. | 42. | | ITNA | 73SHE | 01 |
| 338. | 13.8 | | IENA | 76STE | 05 |
| 345. | 70. | | ITNA | 76WEW | 01 |
| 350. | | | ITNA | 77WEA | 01 |
| 350. | 30. | | ITNA | 79GRE | 01 |
| 350. | 20. | | ITNA | 77MAE | 01 |
| 352. | 30. | | ITNA | 75OND | 01 |
| 354. | 84. | | ITNA | 79ROS | 03 |
| 360. | 20. | 9 | ITNA | 78LAU | 02 |
| 366. | 34. | | ITNA | 75RUC | 01 |
| 385. | 40. | | ITNA | 77CAH | 01 |
| 390. | 20. | | ITNA | 73ABE | 01 |
| 405. | | | ITNA | 75KLE | 01 |
| 410. | 82. | | OES | 76WEW | 01 |
| Be (ppm) | | | | | |
| 1.2 | 0.07 | * | OES | 76WEW | 01 |
| 1.49 | 0.03 | | FLUOR | 77WIC | 01 |
| 1.5 | 0.1 | | FAA | 75OWE | 01 |
| 1.5 | | | AA | 76WEW | 01 |
| 1.52 | 0.11 | 6 | FAA | 77GLA | 02 |
| 1.57 | 0.12 | 6 | FAA | 77GLA | 02 |

TABLE V (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 1.7 | | 4 | AA | 79REI | 01 |
| 1.7 | 0.03 | | ICPES | 81CHU | 01 |
| 1.7 | 0.4 | 35 | FAA | 76GLA | 02 |
| 1.7 | | | ITNA | 77GLU | 01 |
| 1.77 | | | ICPES | 80NAD | 01 |
| 1.85 | | * | ICPES | 80NAD | 01 |
| Bi (ppm) | | | | | |
| | 1. | L* | WXRF | 82MIL | 01 |
| | 1. | L* | PAA | 76CHA | 01 |
| | 1. | L* | AA | 76WEW | 01 |
| | 1.5 | L* | OES | 76WEW | 01 |
| 1.05 | | | PAA | 74CHA | 01 |
| Br (ppm) | | | | | |
| 7.8 | 5.8 | * | ITNA | 81WAN | 01 |
| 14. | 2. | | ITNA | 76STE | 05 |
| 14.2 | | | ITNA | 75KLE | 01 |
| 15. | 1. | | ITNA | 78MAC | 01 |
| 15.2 | 1.4 | | ITNA | 78NAD | 02 |
| 15.2 | 1.4 | | ITNA | 75NAD | 02 |
| 16.2 | 1. | 5 | IENA | 79GLA | 02 |
| 16.6 | 0.6 | | NAA | 76HAN | 01 |
| 17. | 2. | | ITNA | 73ABE | 01 |
| 17. | 1. | | ITNA | 78LAU | 02 |
| 17.2 | | | ITNA | 76RAG | 01 |
| 17.4 | 1.1 | | IENA | 83GLA | 01 |
| 17.5 | 0.3 | | EXRF | 79GIA | 01 |
| 17.9 | 0.3 | 5 | IENA | 79GLA | 02 |
| 18. | | 34 | WXRF | 82MIL | 01 |
| 18. | 2. | | ITNA | 76KUC | 01 |
| 18.2 | 2.3 | | ITNA | 75RUC | 01 |
| 18.8 | 2.4 | | ITNA | 77CAH | 01 |
| 19. | 4. | | ITNA | 75RIC | 01 |
| 19.2 | 0.6 | | ITNA | 77ROW | 04 |
| 19.2 | 1.2 | | ITNA | 77MAE | 01 |
| 19.3 | 1.9 | | ITNA | 75OND | 01 |
| 19.3 | | | ITNA | 77WEA | 01 |
| 19.5 | 0.3 | | IENA | 76STE | 05 |
| 19.6 | 0.4 | | IENA | 77ROW | 03 |
| 19.6 | 0.4 | D* | IENA | 77ROW | 04 |
| 20. | 3. | | ITNA | 73SHE | 01 |
| 20. | 2. | | ITNA | 79GRE | 01 |
| 20. | | | ITNA | 77GLU | 01 |
| 23.7 | 3.2 | * | EXRF | 73SPA | 01 |
| 38. | 1. | * | ITNA | 82SUZ | 02 |
| C (%) | | | | | |
| 68.93 | 0.11 | | CB | 80SCH | 02 |
| 69.6 | 2.1 | 35 | CB | 79GLA | 04 |
| 70. | 5. | D* | TCGS | 80AND | 01 |
| 70. | 5. | | TCGS | 79FAI | 01 |
| 73. | 3. | 35 | TCGS | 79GLA | 04 |
| Ca (ppm) | | | | | |
| | 7000. | L* | ITNA | 78LAU | 02 |
| 2400. | 600. | * | ITNA | 82SUZ | 02 |
| 2840. | 80. | | GAMMA | 75OND | 01 |

TABLE V (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 3300. | 500. | D* | TCGS | 80AND | 01 |
| 3300. | 500. | | TCGS | 79FAI | 01 |
| 3500. | 2800. | | ITNA | 77ROW | 03 |
| 3500. | 300. | | ITNA | 76STE | 05 |
| 3700. | 400. | | NAA | 76HAN | 01 |
| 4000. | | | ICPES | 80NAD | 01 |
| 4030. | 480. | | 14NAA | 77VAN | 01 |
| 4070. | 560. | | ITNA | 73SHE | 01 |
| 4100. | 400. | | ITNA | 79GRE | 01 |
| 4100. | 500. | | ITNA | 81WAN | 01 |
| 4140. | 140. | | ICPES | 81CHU | 01 |
| 4200. | 400. | | PAA | 76CHA | 01 |
| 4200. | 300. | | ITNA | 77MAE | 01 |
| 4200. | 600. | | ITNA | 76RAG | 01 |
| 4200. | | | ICPES | 80NAD | 01 |
| 4200. | 500. | | ITNA | 75OND | 01 |
| 4300. | 200. | | ITNA | 78NAD | 02 |
| 4300. | 200. | | ITNA | 75NAD | 02 |
| 4400. | 900. | | ITNA | 76WEW | 01 |
| 4400. | | | ITNA | 75KLE | 01 |
| 4500. | | | ICPES | 80NAD | 01 |
| 4700. | 600. | | PAA | 75OND | 01 |
| 4950. | | 4 | AA | 79REI | 01 |
| 5000. | | | ICPES | 80NAD | 01 |
| 5100. | 1000. | | OES | 76WEW | 01 |
| 5300. | | 35 | ITNA | 81GLA | 03 |
| 7000. | | * | ITNA | 77GLU | 01 |
| Cd (ppb) | | | | | |
| | 3000. | L* | WXRF | 82MIL | 01 |
| | 2100. | L* | ITNA | 73ABE | 01 |
| | 200. | L* | ICPES | 81CHU | 01 |
| | 340. | L* | ITNA | 82SUZ | 02 |
| | 400. | L* | ITNA | 77GLU | 01 |
| 170. | 36. | | SSMS | 77PAU | 01 |
| 180. | 20. | D* | TCGS | 80AND | 01 |
| 180. | 10. | | AF | 75EPS | 01 |
| 180. | 40. | 6 | PAA | 82SEG | 01 |
| 180. | 20. | | TCGS | 79FAI | 01 |
| 180. | 14. | | AF | 74RAI | 01 |
| 190. | | | POL | 74MAI | 01 |
| 199. | 20. | | PAA | 74CHA | 01 |
| 200. | 20. | | PAA | 77JER | 01 |
| 200. | 100. | 6 | PAA | 82SEG | 01 |
| 200. | 20. | | RTNA | 77JER | 01 |
| 200. | 20. | | PAA | 76CHA | 01 |
| 200. | 50. | 6 | TCGS | 76GLA | 01 |
| 210. | 10. | | FAA | 77GLU | 01 |
| 210. | 20. | | FAA | 74RAI | 01 |
| 230. | 21. | 8 | SSMS | 80KOP | 01 |
| 230. | 10. | | FAA | 74TAL | 01 |
| 230. | 20. | | RTNA | 74ORV | 01 |
| 230. | 10. | 7 | AA | 73TAL | 01 |
| 240. | 30. | | FAA | 74TAL | 01 |
| 240. | 30. | 7 | AA | 73TAL | 01 |
| 250. | | | FAA | 78GUI | 01 |
| 250. | 70. | | PAA | 80SEG | 01 |
| 310. | | | IDMS | 75KLE | 01 |
| 310. | | | AA | 76WEW | 01 |
| 400. | 200. | * | SSMS | 77DON | 01 |
| 700. | 350. | * | OES | 76WEW | 01 |

TABLE V (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Ce (ppm) | | | | | |
| 17.34 | 0.089 | | ITNA | 73SHE | 01 |
| 18.5 | | | ITNA | 75KLE | 01 |
| 18.8 | 1. | | ITNA | 76RAG | 01 |
| 19. | 1. | | ITNA | 78LAU | 02 |
| 19.5 | 1. | | ITNA | 75OND | 01 |
| 19.5 | 0.7 | D* | ITNA | 77ROW | 04 |
| 19.5 | 0.7 | | ITNA | 77ROW | 03 |
| 19.5 | 0.7 | | ITNA | 77MAE | 01 |
| 19.7 | 0.6 | | ITNA | 78NAD | 02 |
| 19.7 | 0.2 | | ITNA | 76WEW | 01 |
| 19.7 | 0.56 | | ITNA | 75NAD | 02 |
| 20. | | | ITNA | 75MIL | 01 |
| 20. | 1.2 | | PAA | 76CHA | 01 |
| 20.1 | 3.7 | | ITNA | 77CAH | 01 |
| 21. | 1. | | ITNA | 79GRE | 01 |
| 21.2 | 3.5 | | ITNA | 81WAN | 01 |
| 21.5 | 1.7 | | NAA | 76HAN | 01 |
| 22.6 | 2.2 | | IENA | 77ROW | 04 |
| 22.8 | 0.5 | | ICPES | 81CHU | 01 |
| 23. | | | OES | 82GUP | 02 |
| 23.3 | 2.7 | | ITNA | 75RUC | 01 |
| 24. | | 34 | WXRF | 82MIL | 01 |
| 26. | 5. | | ITNA | 78MAC | 01 |
| 29. | 1. | * | ITNA | 82SUZ | 02 |
| 29. | 1. | *12 | ITNA | 82SUZ | 02 |
| 30. | 15. | * | OES | 76WEW | 01 |
| Cl (ppm) | | | | | |
| 80. | 20. | * | ITNA | 73ABE | 01 |
| 750. | 75. | | ITNA | 73SHE | 01 |
| 760. | | 35 | ITNA | 81GLA | 03 |
| 800. | 50. | | ITNA | 78MAC | 01 |
| 810. | | 34 | WXRF | 82MIL | 01 |
| 810. | 30. | | ITNA | 82SUZ | 02 |
| 817. | 96. | | ITNA | 81WAN | 01 |
| 828. | 22. | | ITNA | 76RAG | 01 |
| 844. | 37. | | ITNA | 77ROW | 03 |
| 844. | 37. | | ITNA | 76STE | 05 |
| 846. | 44. | | ITNA | 75RUC | 01 |
| 860. | 54. | | ITNA | 77CAH | 01 |
| 866. | 40. | | ITNA | 75RIC | 01 |
| 880. | | | ITNA | 83GLA | 01 |
| 890. | | | ITNA | 77WEA | 01 |
| 890. | 50. | | ITNA | 79GRE | 01 |
| 890. | 100. | | PAA | 76CHA | 01 |
| 890. | 125. | | ITNA | 75OND | 01 |
| 895. | 15. | D* | TCGS | 80AND | 01 |
| 895. | 15. | | TCGS | 79FAI | 01 |
| 915. | | | ISE | 81NAD | 01 |
| 920. | 30. | | NAA | 76HAN | 01 |
| 930. | 48. | | PAA | 74CHA | 01 |
| 945. | 35. | | ITNA | 75NAD | 02 |
| 945. | 35. | | ITNA | 78NAD | 02 |
| 990. | 20. | | ITNA | 77MAE | 01 |
| 1000. | | | ITNA | 75KLE | 01 |
| 1000. | | | ITNA | 77GLU | 01 |
| 1177. | | * | ISE | 80NAD | 01 |

TABLE V (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Co (ppm) | | | | | |
| 3.9 | 0.2 | * | ICPES | 81CHU | 01 |
| 4.7 | 0.32 | | OES | 76WEW | 01 |
| 4.8 | 0.3 | | ITNA | 76BLO | 01 |
| 4.9 | | | ICPES | 80NAD | 01 |
| 5. | | 34 | WXRF | 82MIL | 01 |
| 5.1 | 0.6 | | ITNA | 78NAD | 02 |
| 5.13 | 0.57 | | ITNA | 75NAD | 02 |
| 5.2 | 0.4 | | ITNA | 73ABE | 01 |
| 5.3 | 0.4 | | ITNA | 76KUC | 01 |
| 5.4 | | 4 | AA | 79REI | 01 |
| 5.46 | 0.2 | | ITNA | 79ROS | 03 |
| 5.48 | 0.15 | | ITNA | 73SHE | 01 |
| 5.5 | 0.3 | | ITNA | 77CAH | 01 |
| 5.5 | 0.4 | | PAA | 74CHA | 01 |
| 5.51 | 0.6 | | ITNA | 76RAG | 01 |
| 5.58 | 0.21 | | ITNA | 75RUC | 01 |
| 5.6 | 0.4 | | PAA | 76CHA | 01 |
| 5.7 | 0.1 | | ITNA | 78LAU | 02 |
| 5.7 | 0.4 | | ITNA | 75OND | 01 |
| 5.7 | 0.12 | | IENA | 77ROW | 04 |
| 5.7 | | | ITNA | 77WEA | 01 |
| 5.7 | 0.12 | | ITNA | 77ROW | 03 |
| 5.78 | | | ICPES | 80NAD | 01 |
| 5.8 | 0.6 | | ITNA | 76WEW | 01 |
| 5.9 | 0.5 | | AA | 79ROS | 03 |
| 5.9 | | | ITNA | 75KLE | 01 |
| 6. | 0.02 | | ITNA | 78MAC | 01 |
| 6. | 0.2 | | ITNA | 79GRE | 01 |
| 6.01 | 0.16 | | ITNA | 77ROW | 04 |
| 6.1 | 0.1 | | ITNA | 77MAE | 01 |
| 6.2 | | | ITNA | 75MIL | 01 |
| 6.39 | 0.74 | | ITNA | 81WAN | 01 |
| 6.5 | 0.2 | | ITNA | 82SUZ | 02 |
| 6.57 | 0.47 | | NAA | 76HAN | 01 |
| 6.9 | | *35 | ITNA | 81GLA | 03 |
| 7. | | * | AA | 76WEW | 01 |
| 8.5 | 4.2 | * | EXRF | 79GIA | 01 |
| 11. | | * | ITNA | 77GLU | 01 |
| Cr (ppm) | | | | | |
| 8. | | * | EXRF | 82KEE | 01 |
| 15. | | * | ICPES | 80NAD | 01 |
| 16. | 1.2 | * | OES | 76WEW | 01 |
| 17. | 1. | | ITNA | 75RIC | 01 |
| 17.6 | 1. | | ITNA | 76RAG | 01 |
| 17.8 | 2. | | ITNA | 77CAH | 01 |
| 18. | | | ICPES | 80NAD | 01 |
| 18.5 | 1.7 | | ITNA | 78MAC | 01 |
| 18.8 | 1.1 | | ITNA | 76BLO | 01 |
| 18.9 | 2.2 | | ITNA | 78NAD | 02 |
| 18.9 | 2.2 | | ITNA | 75NAD | 02 |
| 19. | 2. | | ITNA | 73ABE | 01 |
| 19. | 3. | | SSMS | 77DON | 01 |
| 19. | 2.8 | | ITNA | 79ROS | 03 |
| 19. | 0.8 | | ITNA | 73SHE | 01 |
| 19. | | | AA | 76WEW | 01 |
| 19.5 | 0.8 | | PAA | 76CHA | 01 |
| 19.6 | 0.5 | | ITNA | 77MAE | 01 |
| 19.6 | 0.6 | | AA | 79ROS | 03 |

TABLE V (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 19.7 | 0.9 | D* | NAA | 74OND | 01 |
| 19.7 | 0.9 | | ITNA | 75OND | 01 |
| 19.8 | | | FAA | 78GUI | 01 |
| 20. | 1. | 9 | ITNA | 78LAU | 02 |
| 20. | 3. | | ITNA | 78LAU | 02 |
| 20. | | | AA | 78GUI | 01 |
| 20.17 | 0.76 | | RTNA | 74MCC | 01 |
| 20.2 | 0.4 | | AA | 74RAI | 01 |
| 20.3 | 2.9 | | ITNA | 75RUC | 01 |
| 20.5 | 0.6 | | ITNA | 79GRE | 01 |
| 20.6 | 2.3 | | IENA | 77ROW | 04 |
| 20.6 | | | ITNA | 75MIL | 01 |
| 20.8 | 0.6 | | ICPES | 81CHU | 01 |
| 20.8 | 0.8 | | ITNA | 77ROW | 03 |
| 20.8 | 0.8 | D* | ITNA | 77ROW | 04 |
| 21. | 2. | | ITNA | 75KLE | 01 |
| 21.5 | | | ITNA | 77WEA | 01 |
| 21.5 | 1. | | NAA | 76HAN | 01 |
| 21.6 | 2.1 | | PAA | 74CHA | 01 |
| 21.6 | 2. | | ITNA | 76WEW | 01 |
| 22. | | | ITNA | 77GLU | 01 |
| 22. | 8. | | EXRF | 79GIA | 01 |
| 23. | | 4 | AA | 79REI | 01 |
| 24. | 3. | * | ITNA | 76KUC | 01 |
| 25.2 | 3.8 | * | ITNA | 81WAN | 01 |
| 32.3 | 0.9 | * | ITNA | 82SUZ | 02 |
| 34.9 | 0.9 | *12 | ITNA | 82SUZ | 02 |
| Cs (ppm) | | | | | |
| 0.35 | 0.04 | * | PAA | 74CHA | 01 |
| 1.3 | 0.2 | | ITNA | 78LAU | 02 |
| 1.3 | 0.1 | | PAA | 76CHA | 01 |
| 1.32 | 0.11 | | ITNA | 78NAD | 02 |
| 1.32 | 0.11 | | ITNA | 75NAD | 02 |
| 1.36 | 0.1 | | IENA | 76STE | 05 |
| 1.4 | 0.1 | | ITNA | 73ABE | 01 |
| 1.4 | 0.1 | 9 | ITNA | 78LAU | 02 |
| 1.4 | | 34 | WXRF | 82MIL | 01 |
| 1.4 | | | ITNA | 77WEA | 01 |
| 1.4 | | | ITNA | 75KLE | 01 |
| 1.4 | 0.3 | | ITNA | 76WEW | 01 |
| 1.4 | 0.1 | | ITNA | 75OND | 01 |
| 1.4 | 0.08 | | ITNA | 76RAG | 01 |
| 1.46 | 0.11 | | IENA | 77ROW | 03 |
| 1.49 | 0.22 | | ITNA | 77ROW | 04 |
| 1.52 | 0.11 | | IENA | 77ROW | 04 |
| 1.6 | 0.2 | | ITNA | 79GRE | 01 |
| 1.71 | 0.04 | | ITNA | 77MAE | 01 |
| 1.73 | 0.09 | | ITNA | 79ROS | 03 |
| 1.8 | | 35 | ITNA | 81GLA | 03 |
| 1.8 | 0.3 | | ITNA | 77CAH | 01 |
| 1.8 | 0.3 | | ITNA | 75RUC | 01 |
| 1.8 | 0.1 | | NAA | 76HAN | 01 |
| 1.9 | 0.2 | | ITNA | 81WAN | 01 |
| 2.3 | 0.1 | * | ITNA | 82SUZ | 02 |
| 2.55 | 0.06 | * | ITNA | 73SHE | 01 |
| 2.6 | | * | ITNA | 75MIL | 01 |
| 3.5 | 1.3 | * | ITNA | 78MAC | 01 |

TABLE V (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Cu (ppm) | | | | | |
| | 70. | L* | ITNA | 73ABE | 01 |
| | 120. | L* | ITNA | 82SUZ | 02 |
| 13. | | | EXRF | 82KEE | 01 |
| 14.1 | 0.9 | | ITNA | 73SHE | 01 |
| 15. | 1.2 | | ITNA | 77ROW | 03 |
| 15. | 1.2 | | ITNA | 76STE | 05 |
| 15. | 3. | | SSMS | 77DON | 01 |
| 15.7 | 2.7 | | ITNA | 81WAN | 01 |
| 16.3 | | | FAA | 78GUI | 01 |
| 16.8 | 1. | 8 | SSMS | 80KOP | 01 |
| 16.8 | | | AA | 78GUI | 01 |
| 17. | 0.3 | | AA | 73TAL | 01 |
| 17. | 4. | | EXRF | 81KIN | 01 |
| 17. | 1. | 35 | RTNA | 77GLA | 01 |
| 17. | 7.5 | | OES | 76WEW | 01 |
| 17.2 | 0.5 | | ICPES | 81CHU | 01 |
| 17.7 | 1.5 | | EXRF | 79GIA | 01 |
| 17.9 | 0.2 | | AA | 74RAI | 01 |
| 18. | | | ICPES | 80NAD | 01 |
| 18. | | 34 | WXRF | 82MIL | 01 |
| 18. | | | XRF | 75KLE | 01 |
| 18.1 | 0.8 | | NAA | 76HAN | 01 |
| 18.4 | 1.1 | | SSMS | 77PAU | 01 |
| 19. | | | ICPES | 80NAD | 01 |
| 19.4 | 1.9 | | FAA | 74RAI | 01 |
| 20. | | 4 | AA | 79REI | 01 |
| 21. | | | AA | 76WEW | 01 |
| 22.6 | 3. | | EXRF | 73SPA | 01 |
| 23. | | | ITNA | 77GLU | 01 |
| 24. | 3. | 6 | PAA | 82SEG | 01 |
| 30. | 10. | * | PAA | 80SEG | 01 |
| 30. | 10. | *6 | PAA | 82SEG | 01 |
| Dy (ppm) | | | | | |
| | 2.5 | L* | WXRF | 82MIL | 01 |
| | 5. | L* | OES | 76WEW | 01 |
| 0.57 | 0.04 | * | NAA | 76HAN | 01 |
| 0.85 | 0.06 | | ITNA | 73SHE | 01 |
| 1. | 0.1 | | ITNA | 78MAC | 01 |
| 1.12 | 0.06 | | ITNA | 76STE | 05 |
| 1.12 | 0.06 | | ITNA | 77ROW | 03 |
| 1.3 | | | AA | 82GUP | 02 |
| 1.3 | 0.5 | | ITNA | 75RUC | 01 |
| 1.38 | 0.09 | | ITNA | 75NAD | 02 |
| 1.4 | 0.1 | | ITNA | 78NAD | 02 |
| 1.4 | | | ITNA | 75MIL | 01 |
| 1.59 | 0.16 | | ITNA | 77CAH | 01 |
| 2.4 | 0.2 | * | ITNA | 82SUZ | 02 |
| Er (ppm) | | | | | |
| | 3. | L* | WXRF | 82MIL | 01 |
| | 15. | L* | OES | 76WEW | 01 |
| 0.7 | | | AA | 82GUP | 02 |
| Eu (ppb) | | | | | |
| | 1000. | L* | WXRF | 82MIL | 01 |
| 210. | | * | ITNA | 75KLE | 01 |

TABLE V (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 270. | 20. | | ITNA | 76RAG | 01 |
| 280. | 10. | | ITNA | 73ABE | 01 |
| 299. | 33. | | ITNA | 76STE | 05 |
| 300. | 100. | | ITNA | 78MAC | 01 |
| 312. | 37. | | ITNA | 73SHE | 01 |
| 330. | 40. | | ITNA | 75OND | 01 |
| 330. | | | ITNA | 77WEA | 01 |
| 340. | 10. | | NAA | 76HAN | 01 |
| 340. | 40. | | ITNA | 77ROW | 03 |
| 340. | 20. | | ITNA | 78LAU | 02 |
| 344. | 15. | | ITNA | 79ROS | 03 |
| 360. | 30. | | ITNA | 77CAH | 01 |
| 370. | 20. | | ITNA | 78NAD | 02 |
| 370. | 20. | | ITNA | 75NAD | 02 |
| 370. | 40. | | ITNA | 76WEW | 01 |
| 380. | 40. | | ITNA | 77ROW | 04 |
| 380. | 40. | | ITNA | 79GRE | 01 |
| 400. | | | AA | 82GUP | 02 |
| 400. | | | ITNA | 75MIL | 01 |
| 410. | 60. | | OES | 76WEW | 01 |
| 410. | 30. | | ITNA | 75RUC | 01 |
| 420. | 20. | | ICPES | 81CHU | 01 |
| 420. | 10. | | ITNA | 77MAE | 01 |
| 480. | 90. | * | ITNA | 81WAN | 01 |
| 500. | 60. | * | ITNA | 82SUZ | 02 |
| F (ppm) | | | | | |
| 51. | | | ITNA | 77GLU | 01 |
| 65. | | | ISE | 83KNA | 01 |
| 71. | | | ISE | 81NAD | 01 |
| 80. | 4. | | ISE | 74THO | 01 |
| 81. | | | VV | 77GLU | 01 |
| 87. | | | ISE | 74THO | 01 |
| 100. | | | AA | 76WEW | 01 |
| Fe (ppm) | | | | | |
| 6500. | 1300. | * | OES | 76WEW | 01 |
| 7000. | 400. | * | ITNA | 76BLO | 01 |
| 7150. | 800. | * | EXRF | 73SPA | 01 |
| 7200. | | * | EXRF | 82KEE | 01 |
| 7517. | 119. | | ITNA | 73SHE | 01 |
| 7790. | 360. | | EXRF | 79GIA | 01 |
| 7800. | 200. | | ITNA | 75RIC | 01 |
| 8000. | | | ICPES | 80NAD | 01 |
| 8100. | 700. | | ITNA | 73ABE | 01 |
| 8200. | | | ICPES | 80NAD | 01 |
| 8300. | 700. | | ITNA | 76KUC | 01 |
| 8300. | | | ICPES | 80NAD | 01 |
| 8350. | 120. | | AA | 79ROS | 03 |
| 8400. | 200. | | ITNA | 78LAU | 02 |
| 8400. | 400. | D* | NAA | 74OND | 01 |
| 8400. | 200. | D* | TCGS | 80AND | 01 |
| 8400. | 400. | | ITNA | 75OND | 01 |
| 8400. | 200. | | ITNA | 76RAG | 01 |
| 8400. | | | ITNA | 75KLE | 01 |
| 8410. | 250. | | IENA | 77ROW | 04 |
| 8420. | 240. | | TCGS | 79FAI | 01 |
| 8500. | 60. | | ITNA | 75NAD | 02 |
| 8500. | 600. | | ITNA | 78NAD | 02 |
| 8527. | | | AA | 78GUI | 01 |

TABLE V (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 8600. | | | POL | 74MAI | 01 |
| 8600. | | | ITNA | 77WEA | 01 |
| 8630. | 266. | | EXRF | 81KIN | 01 |
| 8690. | 410. | | PAA | 74CHA | 01 |
| 8700. | | 35 | ITNA | 81GLA | 03 |
| 8700. | 400. | | PAA | 76CHA | 01 |
| 8700. | 200. | | ITNA | 79GRE | 01 |
| 8730. | | | AA | 76WEW | 01 |
| 8800. | | | ICPES | 80NAD | 01 |
| 8800. | 200. | | ITNA | 77MAE | 01 |
| 8810. | 210. | | ICPES | 81CHU | 01 |
| 8900. | 300. | | ITNA | 78MAC | 01 |
| 9010. | 190. | D* | ITNA | 77ROW | 04 |
| 9010. | 150. | | ITNA | 77ROW | 03 |
| 9030. | | | ITNA | 75MIL | 01 |
| 9130. | 560. | | ITNA | 79ROS | 03 |
| 9200. | 700. | | ITNA | 81WAN | 01 |
| 9200. | 300. | | NAA | 76HAN | 01 |
| 9200. | | 4 | AA | 79REI | 01 |
| 9300. | 800. | | ITNA | 77CAH | 01 |
| 9300. | 800. | | ITNA | 75RUC | 01 |
| 9800. | 1000. | * | ITNA | 76WEW | 01 |
| 11100. | | * | ITNA | 77GLU | 01 |
| 11100. | 300. | *12 | ITNA | 82SUZ | 02 |
| 11300. | 500. | * | ITNA | 82SUZ | 02 |
| Ga (ppm) | | | | | |
| | 3. | L* | COLOR | 79LIK | 01 |
| 4.5 | | | ITNA | 77GLU | 01 |
| 4.5 | 0.5 | | RTNA | 75RUC | 01 |
| 4.8 | 0.2 | | IENA | 78WAN | 01 |
| 5. | 1. | | ITNA | 78MAC | 01 |
| 5.15 | 0.3 | | ITNA | 75RUC | 01 |
| 5.3 | 0.5 | | ITNA | 77CAH | 01 |
| 5.4 | 0.8 | | ITNA | 73SHE | 01 |
| 5.5 | 0.7 | | ITNA | 81WAN | 01 |
| 5.8 | | 34 | WXRF | 82MIL | 01 |
| 5.8 | 0.4 | | IENA | 77ROW | 03 |
| 5.8 | 0.4 | 5 | IENA | 76STE | 05 |
| 6.1 | 0.3 | | EXRF | 79GIA | 01 |
| 6.1 | 0.6 | 5 | IENA | 76STE | 05 |
| 6.2 | 0.3 | | OES | 76WEW | 01 |
| 7.7 | 1.4 | | ITNA | 82SUZ | 02 |
| 8.5 | | | XRF | 75KLE | 01 |
| 9. | 2. | * | NAA | 76HAN | 01 |
| Gd (ppm) | | | | | |
| | 15. | L* | OES | 76WEW | 01 |
| 1.2 | 0.06 | | ICPES | 81CHU | 01 |
| 1.2 | | | AA | 82GUP | 02 |
| 1.43 | 0.05 | | TCGS | 79FAI | 01 |
| 2.2 | 0.08 | | TCGS | 80AND | 01 |
| 2.5 | | | ITNA | 75MIL | 01 |
| 3. | | 34 | WXRF | 82MIL | 01 |
| 3.6 | 0.4 | | ITNA | 78NAD | 02 |
| 3.62 | 0.35 | | ITNA | 75NAD | 02 |

TABLE V (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Ge (ppm) | | | | | |
| 2. | | | ITNA | 77GLU | 01 |
| 2.7 | 0.22 | | OES | 76WEW | 01 |
| 2.9 | 0.2 | | EXRF | 79GIA | 01 |
| 3. | | 34 | WXRF | 82MIL | 01 |
| 70. | 5. | * | ITNA | 73SHE | 01 |
| H (%) | | | | | |
| 4.02 | 0.05 | D* | TCGS | 80AND | 01 |
| 4.02 | 0.05 | | TCGS | 79FAI | 01 |
| 4.28 | 0.03 | | CB | 80SCH | 02 |
| 4.3 | 0.1 | 35 | TCGS | 79GLA | 04 |
| H2O-T (%) | | | | | |
| 2.6 | | | FD | 80KHA | 02 |
| Hf (ppm) | | | | | |
| | 2. | L* | WXRF | 82MIL | 01 |
| 0.72 | 0.071 | * | ITNA | 79ROS | 03 |
| 0.81 | 0.1 | | ITNA | 78LAU | 02 |
| 0.83 | 0.06 | D* | IENA | 77ROW | 04 |
| 0.83 | 0.06 | | IENA | 77ROW | 03 |
| 0.89 | 0.02 | | ITNA | 75NAD | 02 |
| 0.89 | 0.02 | | ITNA | 78NAD | 02 |
| 0.91 | 0.11 | | ITNA | 77ROW | 04 |
| 0.92 | 0.05 | | ITNA | 73SHE | 01 |
| 0.95 | | | ITNA | 75KLE | 01 |
| 0.96 | | | ITNA | 77WEA | 01 |
| 0.96 | 0.06 | | ITNA | 79GRE | 01 |
| 0.96 | 0.05 | | ITNA | 75OND | 01 |
| 0.97 | 0.1 | | ITNA | 73ABE | 01 |
| 1. | 0.07 | | ITNA | 76RAG | 01 |
| 1.02 | 0.03 | | ITNA | 77MAE | 01 |
| 1.1 | 0.4 | | ITNA | 81WAN | 01 |
| 1.1 | 0-15 | | ITNA | 75RUC | 01 |
| 1.1 | 0.2 | | ITNA | 77CAH | 01 |
| 1.1 | 0.07 | | NAA | 76HAN | 01 |
| 1.1 | | | ITNA | 75MIL | 01 |
| 1.15 | 0.12 | | ITNA | 76WEW | 01 |
| 1.4 | 0.09 | *9 | ITNA | 82SUZ | 02 |
| 1.53 | 0.5 | * | ITNA | 82SUZ | 02 |
| Hg (ppb) | | | | | |
| | 1500. | L* | WXRF | 82MIL | 01 |
| | 1100. | L* | EXRF | 79GIA | 01 |
| | 220. | L* | ITNA | 82SUZ | 02 |
| 88. | 5. | | CVAA | 75KLE | 01 |
| 100. | | | PAA | 77JER | 01 |
| 100. | | | PAA | 74CHA | 01 |
| 100. | | | PAA | 76CHA | 01 |
| 110. | | | ITNA | 77WEA | 01 |
| 110. | 10. | | RTNA | 74ORV | 01 |
| 110. | 50. | | ITNA | 77JER | 01 |
| 110. | 10. | | RTNA | 75RUC | 01 |
| 110. | 16. | | RTNA | 77JER | 01 |
| 111. | 10. | | FAA | 77GLA | 03 |
| 117. | 13. | | FAA | 75KOI | 01 |

TABLE V (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 120. | | | CVAA | 81NAD | 01 |
| 120. | | | CVAA | 82NAD | 01 |
| 122. | 29. | | CVAA | 80DUM | 01 |
| 126. | 6. | | CVAA | 74RAI | 01 |
| 136. | 9. | | FAA | 82UCH | 02 |
| 160. | 80. | | ITNA | 76WEW | 01 |
| 160. | 40. | 12 | ITNA | 82SUZ | 02 |
| 180. | | | ITNA | 77GLU | 01 |
| 230. | 20. | * | ITNA | 78NAD | 02 |
| 230. | 20. | * | ITNA | 75NAD | 02 |
| 230. | 50. | * | ITNA | 76BLO | 01 |
| 510. | 170. | * | ITNA | 75RIC | 01 |
| 950. | 90. | * | ITNA | 73SHE | 01 |
| Ho (ppb) | | | | | |
| | 2000. | L* | WXRF | 82MIL | 01 |
| | 1500. | L* | OES | 76WEW | 01 |
| 240. | 30. | | IENA | 77ROW | 03 |
| 240. | 30. | | IENA | 76STE | 05 |
| 250. | | | FAA | 82GUP | 02 |
| I (ppm) | | | | | |
| | 1.7 | L* | ITNA | 82SUZ | 02 |
| 2.68 | 0.2 | | RTNA | 77ROO | 01 |
| 2.78 | 0.38 | | ITNA | 73SHE | 01 |
| 2.8 | 0.4 | | ITNA | 75RUC | 01 |
| 2.8 | | | ITNA | 77WEA | 01 |
| 2.9 | 0.3 | | ITNA | 76STE | 05 |
| 3. | | 34 | WXRF | 82MIL | 01 |
| 3.3 | 0.5 | | ITNA | 77MAE | 01 |
| 3.3 | 0.4 | | ITNA | 77CAH | 01 |
| 3.3 | 0.3 | | PAA | 78HIS | 01 |
| 3.3 | 0.3 | | PAA | 77WIL | 01 |
| 3.7 | 0.5 | | IENA | 83GLA | 01 |
| 4. | 1. | * | ITNA | 79GRE | 01 |
| 6.2 | 1.9 | * | ITNA | 81WAN | 01 |
| 6.63 | 1.2 | * | ITNA | 75NAD | 02 |
| In (ppb) | | | | | |
| | 1000. | L* | WXRF | 82MIL | 01 |
| 16.9 | 1.2 | | IENA | 77ROW | 03 |
| 16.9 | 1.7 | 5 | IENA | 76STE | 05 |
| 17.8 | 1. | 5 | IENA | 76STE | 05 |
| 30. | 20. | | ITNA | 76RAG | 01 |
| 40. | 10. | | ITNA | 73SHE | 01 |
| 56. | 9. | | ITNA | 82SUZ | 02 |
| 70. | | | ITNA | 75KLE | 01 |
| 180. | 20. | | ITNA | 77CAH | 01 |
| 200. | 120. | | ITNA | 75OND | 01 |
| 220. | 20. | | ITNA | 75RUC | 01 |
| 230. | 20. | | PAA | 74CHA | 01 |
| 230. | 30. | | PAA | 76CHA | 01 |
| Ir (ppb) | | | | | |
| | 50. | L* | OES | 76WEW | 01 |
| 2.48 | 0.27 | | ITNA | 73SHE | 01 |
| 2.5 | | | ITNA | 77WEA | 01 |
| 3.53 | 0.52 | | RTNA | 77NAD | 02 |

TABLE V (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| K (ppm) | | | | | |
| 2500. | | | ICPES | 80NAD | 01 |
| 2570. | | 4 | AA | 79REI | 01 |
| 2600. | 200. | | ITNA | 76KUC | 01 |
| 2650. | 190. | | ITNA | 76BLO | 01 |
| 2660. | 20. | | ITNA | 75RIC | 01 |
| 2700. | | | ICPES | 80NAD | 01 |
| 2700. | 300. | | NAA | 76HAN | 01 |
| 2700. | | | ICPES | 80NAD | 01 |
| 2700. | 100. | | PAA | 76CHA | 01 |
| 2700. | 200. | | ITNA | 76RAG | 01 |
| 2750. | 100. | D* | TCGS | 80AND | 01 |
| 2750. | 100. | | TCGS | 79FAI | 01 |
| 2780. | 230. | | ITNA | 75NAD | 02 |
| 2800. | 100. | | ITNA | 73ABE | 01 |
| 2800. | 200. | | ITNA | 78LAU | 02 |
| 2800. | 500. | | ITNA | 76WEW | 01 |
| 2800. | 200. | | ITNA | 77MAE | 01 |
| 2800. | 200. | | ITNA | 78NAD | 02 |
| 2800. | | | ITNA | 77WEA | 01 |
| 2800. | 300. | | ITNA | 75OND | 01 |
| 2800. | 300. | | ITNA | 77CAH | 01 |
| 2800. | 200. | | ITNA | 79GRE | 01 |
| 2840. | 80. | | GAMMA | 73ABE | 01 |
| 2900. | | | ICPES | 80NAD | 01 |
| 2900. | | | ITNA | 75MIL | 01 |
| 2900. | | | ITNA | 75KLE | 01 |
| 2900. | 200. | | ITNA | 75RUC | 01 |
| 2980. | 240. | | ITNA | 77ROW | 03 |
| 2980. | 200. | | ITNA | 76STE | 05 |
| 3000. | 75. | | ICPES | 81CHU | 01 |
| 3000. | 200. | | ITNA | 78MAC | 01 |
| 3100. | 500. | | ITNA | 81WAN | 01 |
| 3100. | 600. | | OES | 76WEW | 01 |
| 3300. | | * | ITNA | 77GLU | 01 |
| 3500. | 360. | * | ITNA | 73SHE | 01 |
| 4000. | 200. | * | ITNA | 82SUZ | 02 |
| La (ppm) | | | | | |
| 6. | 0.17 | * | OES | 76WEW | 01 |
| 7.89 | 0.15 | * | ITNA | 75NAD | 02 |
| 7.9 | 0.2 | * | ITNA | 78NAD | 02 |
| 8.3 | 0.2 | | ITNA | 78MAC | 01 |
| 9.1 | 0.4 | | ITNA | 76BLO | 01 |
| 9.3 | 0.3 | | ICPES | 81CHU | 01 |
| 9.3 | 0.5 | | ITNA | 78LAU | 02 |
| 9.5 | 0.2 | | ITNA | 76RAG | 01 |
| 9.76 | 0.45 | | NAA | 76HAN | 01 |
| 10. | | 34 | WXRF | 82MIL | 01 |
| 10. | | | FAA | 82GUP | 02 |
| 10.3 | 0.5 | D* | ITNA | 77ROW | 04 |
| 10.3 | 1.1 | | ITNA | 76STE | 05 |
| 10.3 | 0.5 | | ITNA | 77ROW | 03 |
| 10.5 | 0.9 | | ITNA | 81WAN | 01 |
| 10.5 | | | ITNA | 75KLE | 01 |
| 10.5 | 0.5 | | ITNA | 73ABE | 01 |
| 10.6 | 0.4 | | ITNA | 77CAH | 01 |

TABLE V (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 10.7 | | | ITNA | 77WEA | 01 |
| 10.7 | 0.4 | | ITNA | 82SUZ | 02 |
| 10.7 | 0.3 | | ITNA | 77MAE | 01 |
| 10.7 | 1.2 | | ITNA | 75OND | 01 |
| 10.8 | 0.8 | | IENA | 77ROW | 04 |
| 11. | | | OES | 82GUP | 02 |
| 11.3 | 3.3 | | ITNA | 73SHE | 01 |
| 11.3 | 0.4 | | ITNA | 75RUC | 01 |
| 11.3 | | | ITNA | 75MIL | 01 |
| 11.4 | 0.5 | | IENA | 77ROW | 03 |
| 11.4 | 0.5 | | IENA | 76STE | 05 |
| 11.5 | 0.7 | | ITNA | 79GRE | 01 |
| Li (ppm) | | | | | |
| 24. | 1.1 | | OES | 76WEW | 01 |
| 25. | | | AA | 76WEW | 01 |
| 28.7 | 0.6 | | ICPES | 81CHU | 01 |
| Lu (ppb) | | | | | |
| | 1000. | L* | WXRF | 82MIL | 01 |
| | 7000. | L* | OES | 76WEW | 01 |
| 100. | | | FAA | 82GUP | 02 |
| 100. | | | ITNA | 75MIL | 01 |
| 109. | 11. | D* | ITNA | 77ROW | 04 |
| 109. | 11. | | ITNA | 77ROW | 03 |
| 120. | 10. | | ITNA | 78NAD | 02 |
| 120. | 5. | | ITNA | 75NAD | 02 |
| 130. | 5. | | ITNA | 77MAE | 01 |
| 130. | 30. | | ITNA | 77CAH | 01 |
| 140. | 70. | | ITNA | 81WAN | 01 |
| 140. | 20. | | ITNA | 78LAU | 02 |
| 140. | 10. | | ITNA | 75OND | 01 |
| 140. | 20. | | NAA | 76HAN | 01 |
| 150. | 10. | | ITNA | 75RUC | 01 |
| 150. | 20. | | ITNA | 76WEW | 01 |
| 210. | 20. | * | ITNA | 82SUZ | 02 |
| 416. | 17. | * | ITNA | 73SHE | 01 |
| Mg (ppm) | | | | | |
| 980. | 250. | | ITNA | 73SHE | 01 |
| 1100. | 300. | | ITNA | 77MAE | 01 |
| 1100. | | | ITNA | 77GLU | 01 |
| 1200. | | | ICPES | 80NAD | 01 |
| 1200. | | | ICPES | 80NAD | 01 |
| 1340. | 270. | | ITNA | 82SUZ | 02 |
| 1370. | 40. | | ICPES | 81CHU | 01 |
| 1400. | | | ICPES | 80NAD | 01 |
| 1500. | 300. | | ITNA | 78NAD | 02 |
| 1500. | 300. | | ITNA | 75NAD | 02 |
| 1600. | | | ICPES | 80NAD | 01 |
| 1600. | 150. | | PAA | 74CHA | 01 |
| 1600. | 300. | | OES | 76WEW | 01 |
| 1600. | 200. | | PAA | 76CHA | 01 |
| 1700. | 300. | | ITNA | 77ROW | 03 |
| 1700. | 200. | | ITNA | 79GRE | 01 |
| 1700. | 300. | | ITNA | 76STE | 05 |
| 1900. | 400. | | NAA | 76HAN | 01 |
| 2000. | 500. | | ITNA | 75OND | 01 |
| 2000. | 400. | | ITNA | 76WEW | 01 |

TABLE V (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 2300. | 400. | | ITNA | 81WAN | 01 |
| 2300. | 700. | | ITNA | 73ABE | 01 |
| 2480. | | | ITNA | 75KLE | 01 |
| 2500. | 800. | | ITNA | 76RAG | 01 |
| 4000. | 2000. | * | ITNA | 78LAU | 02 |
| 8200. | 2000. | * | ITNA | 78MAC | 01 |
| Mn (ppm) | | | | | |
| 27.5 | 2.4 | * | ITNA | 82SUZ | 02 |
| 36. | 1.8 | | OES | 76WEW | 01 |
| 36.8 | | | FAA | 78GUI | 01 |
| 37. | 2. | | EXRF | 81KIN | 01 |
| 37. | | | EXRF | 82KEE | 01 |
| 38. | 2.6 | | ITNA | 73SHE | 01 |
| 38. | | 4 | AA | 79REI | 01 |
| 38. | 8. | 35 | ITNA | 81GLA | 03 |
| 38.5 | | | AA | 78GUI | 01 |
| 39. | 3. | | EXRF | 79GIA | 01 |
| 39. | | | ITNA | 77GLU | 01 |
| 39. | | 34 | WXRF | 82MIL | 01 |
| 39.5 | 0.7 | | ITNA | 76RAG | 01 |
| 40. | 7. | | ITNA | 78NAD | 02 |
| 40. | 4. | | ITNA | 76WEW | 01 |
| 40. | | | AA | 76WEW | 01 |
| 40.3 | 6.9 | | ITNA | 75NAD | 02 |
| 41. | 6. | | ITNA | 73ABE | 01 |
| 41. | | | ITNA | 77WEA | 01 |
| 41. | 6. | | ITNA | 80BUA | 01 |
| 41. | 2. | | NAA | 76HAN | 01 |
| 41. | 1. | | ITNA | 75RIC | 01 |
| 41.1 | 3.6 | | ITNA | 77ROW | 03 |
| 41.1 | 3.6 | | ITNA | 76STE | 05 |
| 41.7 | 0.5 | | AA | 79ROS | 03 |
| 42. | | | ICPES | 80NAD | 01 |
| 42. | 1. | | ITNA | 79GRE | 01 |
| 42.5 | 5.8 | | ITNA | 81WAN | 01 |
| 42.8 | 2.4 | | ITNA | 77CAH | 01 |
| 43. | 1. | | ITNA | 78MAC | 01 |
| 43. | 4. | D* | NAA | 74OND | 01 |
| 43. | 4. | | ITNA | 75OND | 01 |
| 43. | 6. | | ITNA | 76BLO | 01 |
| 43. | 3. | | PAA | 76CHA | 01 |
| 43.5 | 2.4 | D* | TCGS | 80AND | 01 |
| 43.5 | 2.4 | | TCGS | 79FAI | 01 |
| 43.7 | 1.8 | | ITNA | 75RUC | 01 |
| 44. | 2. | | ITNA | 78LAU | 02 |
| 44.5 | 0.9 | | ITNA | 77MAE | 01 |
| 45. | 3. | | ITNA | 76KUC | 01 |
| 45. | 1.4 | | ICPES | 81CHU | 01 |
| 45. | | | ICPES | 80NAD | 01 |
| 46. | 3. | | ITNA | 75KLE | 01 |
| 46. | | | ITNA | 75MIL | 01 |
| 47.1 | 4.1 | * | PAA | 74CHA | 01 |
| Mo (ppm) | | | | | |
| 0.2 | 0.04 | | PAA | 76CHA | 01 |
| 0.2 | 0.02 | | PAA | 74CHA | 01 |
| 0.3 | 0.1 | | PAA | 80SEG | 01 |
| 0.3 | 0.1 | 6 | PAA | 82SEG | 01 |

TABLE V (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 0.3 | 0.1 | 6 | PAA | 82SEG | 01 |
| 0.41 | 0.1 | | ITNA | 82SUZ | 02 |
| 3.08 | 0.12 | D* | IENA | 77ROW | 04 |
| 3.08 | 0.12 | | IENA | 77ROW | 03 |
| 3.14 | 0.28 | | RTNA | 78NAD | 01 |
| 3.2 | 0.4 | | ITNA | 77CAH | 01 |
| 3.3 | | | ICPES | 80NAD | 01 |
| 3.4 | | | ITNA | 75KLE | 01 |
| 3.6 | 0.16 | | OES | 76WEW | 01 |
| 4. | | 34 | WXRF | 82MIL | 01 |
| 4.7 | | | ICPES | 80NAD | 01 |
| 5. | | | ITNA | 77GLU | 01 |
| 5. | | | ITNA | 77WEA | 01 |
| **N (%)** | | | | | |
| 1.2 | 0.2 | 35 | TCGS | 79GLA | 04 |
| 1.3 | 0.02 | | CB | 80SCH | 02 |
| 1.3 | 0.2 | D* | TCGS | 80AND | 01 |
| 1.3 | 0.2 | | TCGS | 79FAI | 01 |
| **Na (ppm)** | | | | | |
| 325. | 6. | | ITNA | 75RIC | 01 |
| 335. | | | ICPES | 80NAD | 01 |
| 340. | 10. | | ITNA | 78LAU | 02 |
| 347. | 32. | | ITNA | 75NAD | 02 |
| 350. | 30. | | ITNA | 78NAD | 02 |
| 350. | 20. | | PAA | 76CHA | 01 |
| 351. | 30. | | PAA | 74CHA | 01 |
| 352. | 34. | | ITNA | 77CAH | 01 |
| 353. | 21. | | ITNA | 76KUC | 01 |
| 360. | 10. | | ITNA | 79GRE | 01 |
| 360. | 20. | | NAA | 76HAN | 01 |
| 368. | 9. | | ITNA | 77MAE | 01 |
| 370. | 33. | | ITNA | 73SHE | 01 |
| 370. | | | ICPES | 80NAD | 01 |
| 380. | 12. | | ITNA | 76RAG | 01 |
| 380. | 3. | | ITNA | 78MAC | 01 |
| 380. | 25. | | ITNA | 76STE | 05 |
| 380. | 25. | | ITNA | 77ROW | 03 |
| 380. | | | ICPES | 80NAD | 01 |
| 383. | 14. | | ITNA | 75RUC | 01 |
| 387. | 42. | | ITNA | 81WAN | 01 |
| 390. | | | ITNA | 77GLU | 01 |
| 390. | | 34 | WXRF | 82MIL | 01 |
| 390. | | | ITNA | 75KLE | 01 |
| 400. | 900. | R* | ITNA | 81GLA | 03 |
| 400. | 7. | | ICPES | 81CHU | 01 |
| 400. | 30. | | ITNA | 76BLO | 01 |
| 409. | | | ICPES | 80NAD | 01 |
| 410. | | | ITNA | 75MIL | 01 |
| 414. | | | ITNA | 77WEA | 01 |
| 414. | 20. | | ITNA | 75OND | 01 |
| 415. | 42. | | ITNA | 76WEW | 01 |
| 420. | 30. | | ITNA | 73ABE | 01 |
| 480. | | *4 | AA | 79REI | 01 |
| 840. | 30. | * | ITNA | 82SUZ | 02 |
| 1200. | 240. | * | OES | 76WEW | 01 |

TABLE V (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| **Nb (ppm)** | | | | | |
| | 15. | L* | OES | 76WEW | 01 |
| 5. | | 34 | WXRF | 82MIL | 01 |
| **Nd (ppm)** | | | | | |
| | 15. | L* | OES | 76WEW | 01 |
| 6.4 | 1.5 | | ITNA | 73SHE | 01 |
| 7. | | 34 | WXRF | 82MIL | 01 |
| 8. | | | AA | 82GUP | 02 |
| 8.7 | 1. | D* | ITNA | 77ROW | 04 |
| 8.7 | 1. | | ITNA | 77ROW | 03 |
| 9.5 | 1.9 | | ICPES | 81CHU | 01 |
| 10.7 | | | ITNA | 75MIL | 01 |
| 11.3 | 2. | D* | TCGS | 80AND | 01 |
| 11.3 | 2. | | TCGS | 79FAI | 01 |
| 16.9 | 1.4 | * | ITNA | 82SUZ | 02 |
| 17.8 | 3.7 | *12 | ITNA | 82SUZ | 02 |
| **Ni (ppm)** | | | | | |
| 10. | | | EXRF | 82KEE | 01 |
| 11. | | | IENA | 77ROW | 03 |
| 12. | 0.7 | | ITNA | 78NAD | 02 |
| 12.1 | 0.7 | | ITNA | 75NAD | 02 |
| 13. | 3. | 9 | ITNA | 78LAU | 02 |
| 13.5 | 1.2 | | PAA | 74CHA | 01 |
| 14. | 1. | | PAA | 80SEG | 01 |
| 14. | | 4 | AA | 79REI | 01 |
| 14. | 1. | 6 | PAA | 82SEG | 01 |
| 14. | 2. | | PAA | 76CHA | 01 |
| 14. | 2. | 6 | PAA | 82SEG | 01 |
| 14.3 | | | AA | 78GUI | 01 |
| 14.5 | 1.2 | | EXRF | 79GIA | 01 |
| 14.5 | | | XRF | 75KLE | 01 |
| 14.7 | 0.6 | 6 | IDMS | 74MOO | 01 |
| 14.7 | 0.6 | 6 | IDMS | 74MOO | 01 |
| 14.8 | | | POL | 74MAI | 01 |
| 14.8 | 0.7 | 6 | IDMS | 74MOO | 01 |
| 15. | 3. | | SSMS | 77DON | 01 |
| 15. | | 34 | WXRF | 82MIL | 01 |
| 15. | 1.1 | | OES | 76WEW | 01 |
| 15. | | | AA | 76WEW | 01 |
| 15.2 | 0.5 | | ICPES | 81CHU | 01 |
| 15.5 | 1.1 | 8 | SSMS | 80KOP | 01 |
| 16. | 4. | | ITNA | 73ABE | 01 |
| 16. | 5. | | ITNA | 77CAH | 01 |
| 16. | | | ICPES | 80NAD | 01 |
| 16.4 | | | IENA | 77ROW | 04 |
| 17.1 | | | FAA | 78GUI | 01 |
| 17.5 | 1. | | EXRF | 81KIN | 01 |
| 18. | 4. | | ITNA | 75OND | 01 |
| 18. | 4. | D* | NAA | 74OND | 01 |
| 18. | 5. | | NAA | 76HAN | 01 |
| 18.4 | 2.1 | | ITNA | 75RUC | 01 |
| 18.9 | 0.8 | | ITNA | 82SUZ | 02 |
| 19. | | | ICPES | 80NAD | 01 |
| 20. | | | ITNA | 77GLU | 01 |
| 20.4 | 1. | 12 | ITNA | 82SUZ | 02 |

TABLE V (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| O (%) | | | | | |
| 15.05 | 0.11 | 34 | 14NAA | 80KHA | 02 |
| Os (ppm) | | | | | |
| | 1. | L* | RTNA | 77NAD | 02 |
| P (ppm) | | | | | |
| 71. | | | AA | 76WEW | 01 |
| 92. | | | ICPES | 80NAD | 01 |
| 104. | | | ICPES | 80NAD | 01 |
| 120. | | | VV | 77GLU | 01 |
| 138. | | 34 | WXRF | 82MIL | 01 |
| 150. | 9. | | ICPES | 81CHU | 01 |
| 156. | | | ICPES | 81NAD | 01 |
| 250. | | | COLOR | 80NAD | 01 |
| 270. | | | COLOR | 80NAD | 01 |
| Pb (ppm) | | | | | |
| 12. | 120. | R* | OES | 76WEW | 01 |
| 13.6 | 6.5 | * | EXRF | 79GIA | 01 |
| 15. | | * | ICPES | 80NAD | 01 |
| 19.1 | | | ICPES | 81NAD | 01 |
| 20. | | | ICPES | 80NAD | 01 |
| 23. | 0.9 | | EXRF | 73SPA | 01 |
| 23. | | | VV | 77GLU | 01 |
| 24. | | 4 | AA | 79REI | 01 |
| 26. | 6. | | FAA | 76BLO | 01 |
| 26.1 | | | AA | 78GUI | 01 |
| 27.9 | 2.5 | 8 | SSMS | 80KOP | 01 |
| 28. | 1. | 6 | PAA | 82SEG | 01 |
| 28. | 2. | | PAA | 80SEG | 01 |
| 28. | 5. | | FAA | 75BLO | 02 |
| 28. | 3.6 | | SSMS | 77PAU | 01 |
| 28. | 2. | 6 | PAA | 82SEG | 01 |
| 28. | 4. | | IDMS | 78CAR | 02 |
| 28.4 | | | POL | 74MAI | 01 |
| 28.5 | 1.5 | | ICPES | 81CHU | 01 |
| 28.6 | | | FAA | 78GUI | 01 |
| 29. | 0.5 | | AA | 73TAL | 01 |
| 29. | 2. | | PAA | 77JER | 01 |
| 29.4 | | | IDMS | 75KLE | 01 |
| 30. | | | AA | 76WEW | 01 |
| 31. | 3. | | EXRF | 81KIN | 01 |
| 32. | 2. | | PAA | 77JER | 01 |
| 32. | | 34 | WXRF | 82MIL | 01 |
| 32. | 2. | | PAA | 76CHA | 01 |
| 32.1 | 1.8 | | PAA | 74CHA | 01 |
| 33. | 3. | | SSMS | 77DON | 01 |
| 33. | 2. | | AA | 79ROS | 03 |
| Pd (ppb) | | | | | |
| | 5. | L* | RTNA | 77NAD | 02 |
| Pr (ppm) | | | | | |
| | 2. | L* | FAA | 82GUP | 02 |
| | 15. | L* | OES | 76WEW | 01 |

TABLE V (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 2. | | 34 | WXRF | 82MIL | 01 |
| 3.6 | 0.4 | | ITNA | 82SUZ | 02 |
| 4.6 | 0.5 | 12 | ITNA | 82SUZ | 02 |
| Pt (ppb) | | | | | |
| | 15000. | L* | OES | 76WEW | 01 |
| 186. | 2.3 | | RTNA | 77NAD | 01 |
| 270. | 20. | | RTNA | 77NAD | 02 |
| Rb (ppm) | | | | | |
| 10. | 3. | * | ITNA | 81WAN | 01 |
| 15. | | 35 | ITNA | 81GLA | 03 |
| 16.3 | 3.7 | | ITNA | 75NAD | 02 |
| 16.3 | 3.7 | | ITNA | 78NAD | 02 |
| 18. | | 34 | WXRF | 82MIL | 01 |
| 18.3 | 1.1 | D* | IENA | 77ROW | 04 |
| 18.3 | 1.6 | | IENA | 77ROW | 03 |
| 19. | 1.9 | | ITNA | 73SHE | 01 |
| 19. | 1.5 | | ITNA | 76RAG | 01 |
| 19. | 2. | | ITNA | 73ABE | 01 |
| 19. | 6. | | ITNA | 76WEW | 01 |
| 19.4 | 2.3 | | ITNA | 77ROW | 04 |
| 19.5 | | | ITNA | 75KLE | 01 |
| 20. | 2. | 9 | ITNA | 78LAU | 02 |
| 20. | 2. | | ITNA | 79GRE | 01 |
| 20. | 4. | | ITNA | 78LAU | 02 |
| 20. | 2. | | PAA | 75OND | 01 |
| 20. | 2. | | PAA | 76CHA | 01 |
| 20.1 | 0.6 | | EXRF | 79GIA | 01 |
| 21. | | | ITNA | 77WEA | 01 |
| 21. | 2. | | ITNA | 75OND | 01 |
| 22. | 2.9 | | OES | 76WEW | 01 |
| 22.5 | 0.7 | | ITNA | 77MAE | 01 |
| 22.5 | 3.7 | | ITNA | 75RUC | 01 |
| 22.8 | 4.8 | | ITNA | 77CAH | 01 |
| 23. | 7. | | ITNA | 76KUC | 01 |
| 23. | 3. | | NAA | 76HAN | 01 |
| 24. | | | XRF | 75KLE | 01 |
| 24. | | | ITNA | 75MIL | 01 |
| 24.7 | 1. | | ITNA | 79ROS | 03 |
| 26. | 1. | | ITNA | 82SUZ | 02 |
| 28.6 | 3.2 | * | EXRF | 73SPA | 01 |
| 30. | 1. | *12 | ITNA | 82SUZ | 02 |
| Rh (ppm) | | | | | |
| | 5. | L* | OES | 76WEW | 01 |
| Ru (ppb) | | | | | |
| | 5000. | L* | OES | 76WEW | 01 |
| 18. | 1. | | RTNA | 77NAD | 02 |
| S (%) | | | | | |
| | 3.8 | L* | ITNA | 82SUZ | 02 |
| 0.17 | | * | ICPES | 80NAD | 01 |
| 0.17 | | * | CB | 80NAD | 01 |
| 0.9 | | | ICPES | 80NAD | 01 |

TABLE V (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 0.9 | | | CB | 80NAD | 01 |
| 1.25 | | | XRF | 77GLU | 01 |
| 1.29 | 0.03 | D* | TCGS | 80AND | 01 |
| 1.29 | 0.03 | | TCGS | 79FAI | 01 |
| 1.32 | | | XRF | 81NAD | 01 |
| 1.32 | 0.07 | | TCGS | 77JUR | 01 |
| 1.32 | | | XRF | 82NAD | 01 |
| 1.99 | | * | CB | 77LAD | 01 |
| 2.02 | | * | TITR | 77LAD | 01 |
| Sb (ppm) | | | | | |
| 0.61 | 0.05 | * | ITNA | 82SUZ | 02 |
| 1.8 | 0.9 | * | FAA | 77ARU | 01 |
| 2.2 | | * | ITNA | 75MIL | 01 |
| 2.3 | 5.8 | R* | COLOR | 77ARU | 01 |
| 2.6 | 2. | | ITNA | 77ARU | 01 |
| 2.7 | | 5 | ITNA | 77ROW | 04 |
| 2.8 | 0.7 | | ITNA | 81WAN | 01 |
| 2.8 | | 5 | IENA | 77ROW | 04 |
| 3. | | 34 | WXRF | 82MIL | 01 |
| 3. | | | ITNA | 77GLU | 01 |
| 3. | | | RTNA | 75RUC | 01 |
| 3. | | 5 | ITNA | 77ROW | 04 |
| 3. | | | IENA | 77ROW | 03 |
| 3.06 | 1.4 | | ITNA | 75NAD | 02 |
| 3.09 | 0.26 | | PAA | 74CHA | 01 |
| 3.1 | 1.4 | | ITNA | 78NAD | 02 |
| 3.2 | | 35 | ITNA | 81GLA | 03 |
| 3.2 | | 5 | IENA | 77ROW | 04 |
| 3.4 | 0.1 | | ITNA | 76RAG | 01 |
| 3.4 | 0.8 | | ITNA | 75RUC | 01 |
| 3.6 | 1.2 | | ITNA | 77MAE | 01 |
| 3.6 | 0.8 | | ITNA | 77CAH | 01 |
| 3.7 | 2. | | ITNA | 73ABE | 01 |
| 3.8 | 0.2 | | ITNA | 78MAC | 01 |
| 3.8 | 0.4 | | NAA | 76HAN | 01 |
| 3.82 | 0.1 | | ITNA | 78LAU | 02 |
| 3.9 | 1.3 | | ITNA | 75OND | 01 |
| 3.9 | 0.24 | | ITNA | 77JER | 01 |
| 3.9 | 0.3 | | PAA | 76CHA | 01 |
| 3.9 | | | ITNA | 77WEA | 01 |
| 3.9 | 0.3 | | PAA | 77JER | 01 |
| 4.1 | 1.2 | | ITNA | 76WEW | 01 |
| 4.3 | 0.3 | | ITNA | 79GRE | 01 |
| 4.4 | 0.3 | | FAA | 78HAY | 01 |
| 4.45 | | | ITNA | 75KLE | 01 |
| 6.4 | 1.6 | * | ITNA | 73SHE | 01 |
| Sc (ppm) | | | | | |
| 3.4 | 0.3 | | ITNA | 77CAH | 01 |
| 3.4 | 0.3 | | ITNA | 73ABE | 01 |
| 3.5 | 0.1 | | ITNA | 78NAD | 02 |
| 3.5 | 0.08 | | ITNA | 75NAD | 02 |
| 3.58 | 0.35 | | PAA | 74CHA | 01 |
| 3.6 | 0.08 | | OES | 76WEW | 01 |
| 3.6 | 0.3 | | PAA | 76CHA | 01 |
| 3.68 | 0.08 | | ITNA | 76RAG | 01 |
| 3.69 | 0.05 | | ITNA | 78LAU | 02 |
| 3.7 | 0.3 | | ITNA | 75OND | 01 |

TABLE V (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 3.7 | | | ITNA | 77WEA | 01 |
| 3.7 | 0.1 | | ITNA | 75RIC | 01 |
| 3.75 | 0.24 | | ITNA | 79ROS | 03 |
| 3.8 | 0.05 | D* | ITNA | 77ROW | 04 |
| 3.8 | 0.4 | | ITNA | 76WEW | 01 |
| 3.8 | 0.05 | | ITNA | 77ROW | 03 |
| 3.81 | 0.47 | | ITNA | 75RUC | 01 |
| 3.88 | 0.15 | | NAA | 76HAN | 01 |
| 3.9 | 0.2 | | ITNA | 76KUC | 01 |
| 3.95 | 0.06 | | IENA | 77ROW | 04 |
| 3.98 | 0.04 | | ITNA | 78MAC | 01 |
| 4. | 0.2 | | ITNA | 79GRE | 01 |
| 4.1 | 0.2 | | ITNA | 81WAN | 01 |
| 4.1 | | 34 | WXRF | 82MIL | 01 |
| 4.1 | | | ITNA | 75MIL | 01 |
| 4.2 | 0.1 | | ITNA | 77MAE | 01 |
| 4.5 | | * | ITNA | 75KLE | 01 |
| 5.4 | 0.1 | * | ITNA | 82SUZ | 02 |
| Se (ppm) | | | | | |
| | 10. | L* | ICPES | 81CHU | 01 |
| 1.1 | 0.08 | * | CPXRF | 80KIR | 01 |
| 2. | | * | HAA | 74BYR | 02 |
| 2.3 | 0.2 | *9 | ITNA | 82SUZ | 02 |
| 2.4 | 0.1 | | ITNA | 78NAD | 02 |
| 2.44 | 0.08 | | ITNA | 75NAD | 02 |
| 2.5 | 0.2 | | ITNA | 80WAN | 01 |
| 2.51 | 0.13 | 8 | SSMS | 80KOP | 01 |
| 2.6 | 0.1 | | ITNA | 82SUZ | 02 |
| 2.6 | 0.3 | 9 | ITNA | 80WAN | 01 |
| 2.6 | 0.16 | | FAA | 77ARU | 01 |
| 2.7 | 0.2 | | RTNA | 74ORV | 01 |
| 2.8 | | | ITNA | 77GLU | 01 |
| 2.8 | 0.11 | | RTNA | 75RUC | 01 |
| 2.86 | 0.13 | | DCP | 81CAR | 02 |
| 2.86 | 0.13 | | GCMES | 74TAL | 02 |
| 2.86 | 0.13 | | GCMES | 75KLE | 01 |
| 2.9 | 0.1 | | ICPES | 80HAA | 01 |
| 2.9 | 0.2 | | ITNA | 79GRE | 01 |
| 2.9 | 0.2 | | XRF | 77ARU | 01 |
| 2.9 | 0.4 | | ITNA | 76RAG | 01 |
| 2.99 | 0.07 | | SSMS | 77PAU | 01 |
| 3. | 0.3 | H | OES | 80CLA | 01 |
| 3. | 1. | | PAA | 80SEG | 01 |
| 3. | | 34 | WXRF | 82MIL | 01 |
| 3. | 0.4 | | RTNA | 80KNA | 01 |
| 3. | 1. | 6 | PAA | 82SEG | 01 |
| 3. | 0.3 | D* | IENA | 77ROW | 04 |
| 3. | 0.3 | | PAA | 76CHA | 01 |
| 3. | 0.3 | | IENA | 77ROW | 03 |
| 3. | 0.4 | 6 | PAA | 82SEG | 01 |
| 3.03 | 0.28 | | PAA | 74CHA | 01 |
| 3.05 | | | ITNA | 75KLE | 01 |
| 3.05 | 0.48 | | ASV | 76AND | 01 |
| 3.1 | | | ITNA | 77WEA | 01 |
| 3.1 | 0.2 | | EXRF | 79GIA | 01 |
| 3.1 | 0.6 | | ITNA | 78MAC | 01 |
| 3.1 | 1.6 | | ITNA | 76WEW | 01 |
| 3.2 | 0.4 | | ITNA | 76BLO | 01 |
| 3.2 | 0.3 | | ITNA | 75RIC | 01 |

TABLE V (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 3.3 | 0.4 | | ITNA | 73ABE | 01 |
| 3.3 | 0.2 | 9 | ITNA | 78LAU | 02 |
| 3.3 | 0.6 | | ITNA | 78LAU | 02 |
| 3.4 | 0.2 | D* | NAA | 74OND | 01 |
| 3.4 | 0.2 | | ITNA | 75OND | 01 |
| 3.5 | 0.3 | | ITNA | 77MAE | 01 |
| 3.6 | 0.4 | | ITNA | 75RUC | 01 |
| 3.7 | 0.7 | * | ITNA | 77ROW | 04 |
| 3.8 | 0.51 | * | ITNA | 73SHE | 01 |
| 3.8 | 0.7 | * | ITNA | 77CAH | 01 |
| 3.9 | 0.4 | * | ITNA | 81WAN | 01 |
| 4.7 | | * | COLOR | 74BYR | 02 |
| 5.5 | 0.5 | * | EXRF | 73SPA | 01 |
| **Si (%)** | | | | | |
| 2.1 | 0.42 | * | OES | 76WEW | 01 |
| 2.6 | | *4 | AA | 79REI | 01 |
| 2.95 | 0.06 | | TCGS | 79FAI | 01 |
| 2.95 | 0.06 | D* | TCGS | 80AND | 01 |
| 3. | 0.4 | | PAA | 76CHA | 01 |
| 3.14 | | | ICPES | 80NAD | 01 |
| 3.17 | | | ICPES | 80NAD | 01 |
| 3.19 | | | ICPES | 80NAD | 01 |
| 3.2 | | | AA | 76WEW | 01 |
| 3.21 | | | ICPES | 80NAD | 01 |
| 3.5 | 0.8 | | 14NAA | 76BLO | 01 |
| 3.92 | | * | VV | 77GLU | 01 |
| **Sm (ppm)** | | | | | |
| | 2. | L* | WXRF | 82MIL | 01 |
| | 15. | L* | OES | 76WEW | 01 |
| 1.3 | 0.19 | | ITNA | 73SHE | 01 |
| 1.3 | 0.2 | | ICPES | 81CHU | 01 |
| 1.38 | 0.1 | | IENA | 76STE | 05 |
| 1.38 | 0.09 | | ITNA | 77ROW | 04 |
| 1.4 | | | FAA | 82GUP | 02 |
| 1.4 | 0.1 | | ITNA | 78MAC | 01 |
| 1.4 | 0.1 | | IENA | 77ROW | 03 |
| 1.41 | 0.06 | | IENA | 77ROW | 04 |
| 1.53 | 0.02 | D* | TCGS | 80AND | 01 |
| 1.53 | 0.02 | | TCGS | 79FAI | 01 |
| 1.55 | 0.07 | | NAA | 76HAN | 01 |
| 1.6 | | | ITNA | 75MIL | 01 |
| 1.6 | 0.2 | | ITNA | 77CAH | 01 |
| 1.66 | 0.16 | | ITNA | 75NAD | 02 |
| 1.7 | 0.3 | | ITNA | 73ABE | 01 |
| 1.7 | | | ITNA | 77WEA | 01 |
| 1.7 | 0.2 | | ITNA | 75OND | 01 |
| 1.7 | 0.2 | | ITNA | 78NAD | 02 |
| 1.72 | 0.08 | | ITNA | 76RAG | 01 |
| 1.74 | 0.02 | | ITNA | 78LAU | 02 |
| 1.8 | 0.1 | | ITNA | 75RUC | 01 |
| 1.9 | 0.2 | | ITNA | 79GRE | 01 |
| 1.93 | 0.14 | | ITNA | 77MAE | 01 |
| 2.9 | 0.2 | * | ITNA | 82SUZ | 02 |

TABLE V (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| **Sn (ppm)** | | | | | |
| 2. | 10. | R* | OES | 76WEW | 01 |
| 4. | 0.2 | | ICPES | 80HAA | 01 |
| 5. | | 34 | WXRF | 82MIL | 01 |
| 8. | | | ICPES | 80NAD | 01 |
| 9.7 | | | ICPES | 80NAD | 01 |
| 10. | 1. | 6 | PAA | 82SEG | 01 |
| 10. | 1. | | PAA | 80SEG | 01 |
| 10. | 1. | | PAA | 76CHA | 01 |
| 10. | | | ITNA | 77GLU | 01 |
| 10.2 | 1. | | PAA | 74CHA | 01 |
| 11. | 0.4 | 6 | PAA | 82SEG | 01 |
| 125. | 20. | * | ITNA | 73SHE | 01 |
| **Sr (ppm)** | | | | | |
| 1.02 | 0.05 | * | ITNA | 75NAD | 02 |
| 1.33 | 0.1 | * | PAA | 74CHA | 01 |
| 91. | 9. | * | ITNA | 82SUZ | 02 |
| 93. | 9.2 | | ITNA | 73SHE | 01 |
| 93. | 7. | 12 | ITNA | 82SUZ | 02 |
| 99. | | 4 | AA | 79REI | 01 |
| 112. | 26. | | ITNA | 76RAG | 01 |
| 120. | 20. | | NAA | 76HAN | 01 |
| 123. | | | ITNA | 75KLE | 01 |
| 125. | 26. | | ITNA | 78NAD | 02 |
| 129. | | | ITNA | 75MIL | 01 |
| 131. | 23. | | ITNA | 76STE | 05 |
| 140. | 2.8 | | ICPES | 81CHU | 01 |
| 140. | 15. | | PAA | 76CHA | 01 |
| 140. | 40. | | ITNA | 78LAU | 02 |
| 144. | | | XRF | 75KLE | 01 |
| 145. | 9. | | ITNA | 75RUC | 01 |
| 151. | | 34 | WXRF | 82MIL | 01 |
| 151. | 4. | | EXRF | 79GIA | 01 |
| 155. | 15. | | EXRF | 73SPA | 01 |
| 155. | 6. | | ITNA | 77CAH | 01 |
| 159. | 14. | | IENA | 77ROW | 04 |
| 160. | 10. | | IENA | 77ROW | 03 |
| 161. | 16. | | ITNA | 75OND | 01 |
| 161. | 9. | 5 | IENA | 76STE | 05 |
| 164. | 25. | | ITNA | 81WAN | 01 |
| 164. | 14. | | ITNA | 77MAE | 01 |
| 165. | 21. | 5 | IENA | 76STE | 05 |
| 170. | 10. | | ITNA | 73ABE | 01 |
| 170. | 20. | 9 | ITNA | 78LAU | 02 |
| 170. | 17. | | ITNA | 76WEW | 01 |
| 170. | 20. | | ITNA | 78MAC | 01 |
| 190. | | | ITNA | 77ROW | 04 |
| 280. | 56. | * | OES | 76WEW | 01 |
| **Ta (ppb)** | | | | | |
| | 1500. | L* | WXRF | 82MIL | 01 |
| 170. | | | ITNA | 75KLE | 01 |
| 210. | | 35 | ITNA | 81GLA | 03 |
| 210. | 20. | | ITNA | 77CAH | 01 |
| 210. | 20. | | ITNA | 75RUC | 01 |
| 230. | 20. | | ITNA | 76RAG | 01 |
| 240. | | | ITNA | 77WEA | 01 |
| 240. | 40. | | ITNA | 75OND | 01 |

TABLE V (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 240. | 10. | | ITNA | 78NAD | 02 |
| 240. | 10. | | ITNA | 75NAD | 02 |
| 250. | 10. | | ITNA | 77MAE | 01 |
| 250. | 30. | | NAA | 76HAN | 01 |
| 270. | 20. | | ITNA | 79ROS | 03 |
| 273. | 6. | | IENA | 77ROW | 03 |
| 273. | 9. | D* | IENA | 77ROW | 04 |
| 290. | 50. | | ITNA | 78LAU | 02 |
| 300. | | | ITNA | 75MIL | 01 |
| 300. | | | ITNA | 77ROW | 04 |
| 350. | 20. | | ITNA | 82SUZ | 02 |
| 360. | 28. | * | ITNA | 73SHE | 01 |
| 460. | 50. | * | ITNA | 73ABE | 01 |
| Tb (ppb) | | | | | |
| | 500. | L* | ITNA | 77ROW | 04 |
| | 2000. | L* | WXRF | 82MIL | 01 |
| | 15000. | L* | OES | 76WEW | 01 |
| | 400. | L* | FAA | 82GUP | 02 |
| 30. | | * | ITNA | 73SHE | 01 |
| 200. | 40. | | ITNA | 76WEW | 01 |
| 200. | 20. | | ITNA | 76RAG | 01 |
| 230. | 10. | | ITNA | 78LAU | 02 |
| 230. | 60. | | ITNA | 73ABE | 01 |
| 230. | 50. | | ITNA | 75OND | 01 |
| 260. | 20. | | ITNA | 82SUZ | 02 |
| 274. | 12. | | IENA | 77ROW | 03 |
| 274. | 12. | D* | IENA | 77ROW | 04 |
| 400. | 20. | | ITNA | 75NAD | 02 |
| 400. | 20. | | ITNA | 78NAD | 02 |
| 500. | | * | ITNA | 75MIL | 01 |
| Te (ppb) | | | | | |
| | 600. | L* | WXRF | 82MIL | 01 |
| | 690. | L* | ITNA | 82SUZ | 02 |
| | 1000. | L* | PAA | 76CHA | 01 |
| 500. | | | FAA | 77GLU | 01 |
| 600. | 40. | 35 | RTNA | 75GLA | 01 |
| 1020. | | | PAA | 74CHA | 01 |
| Th (ppm) | | | | | |
| | 15. | L* | OES | 76WEW | 01 |
| 1.28 | 0.06 | * | ITNA | 75NAD | 02 |
| 1.3 | 0.1 | * | ITNA | 78NAD | 02 |
| 2.4 | 0.2 | * | ITNA | 76BLO | 01 |
| 2.7 | 0.7 | | EXRF | 79GIA | 01 |
| 2.87 | 0.09 | | ITNA | 77ROW | 04 |
| 2.87 | 0.24 | | ITNA | 79ROS | 03 |
| 2.9 | 0.1 | | ITNA | 76RAG | 01 |
| 3. | 0.2 | | ITNA | 78LAU | 02 |
| 3. | | 34 | WXRF | 82MIL | 01 |
| 3. | | | ITNA | 75KLE | 01 |
| 3.1 | 0.2 | | ITNA | 73SHE | 01 |
| 3.1 | 0.2 | | ITNA | 75OND | 01 |
| 3.12 | 0.1 | | IENA | 77ROW | 03 |
| 3.12 | 0.1 | D* | IENA | 77ROW | 04 |
| 3.2 | 0.2 | | ITNA | 79GRE | 01 |
| 3.2 | | 35 | ITNA | 81GLA | 03 |
| 3.2 | 0.3 | | ITNA | 76WEW | 01 |
| 3.2 | 0.1 | | ITNA | 77MAE | 01 |

TABLE V (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 3.2 | | | ITNA | 75MIL | 01 |
| 3.2 | 0.5 | | NAA | 76HAN | 01 |
| 3.3 | 0.6 | | ITNA | 81WAN | 01 |
| 3.4 | 0.6 | | ITNA | 73ABE | 01 |
| 3.45 | 0.1 | | GAMMA | 75OND | 01 |
| 3.45 | 0.1 | | GAMMA | 73ABE | 01 |
| 3.5 | 0.6 | | ITNA | 77CAH | 01 |
| 3.65 | 0.49 | | ITNA | 75RUC | 01 |
| 4.1 | 0.1 | * | ITNA | 82SUZ | 02 |
| 4.6 | 0.1 | *2 | ITNA | 82SUZ | 02 |
| 4.7 | | * | DNA | 75MIL | 01 |
| Tl (ppm) | | | | | |
| 680. | | | EXRF | 82KEE | 01 |
| 690. | | 4 | AA | 79REI | 01 |
| 790. | | | POL | 74MAI | 01 |
| 800. | | | ITNA | 77WEA | 01 |
| 800. | | | AA | 76WEW | 01 |
| 839. | 172. | | ITNA | 75NAD | 02 |
| 840. | 200. | | ITNA | 78NAD | 02 |
| 885. | 150. | | ITNA | 76BLO | 01 |
| 890. | 50. | | ITNA | 77ROW | 03 |
| 890. | 35. | D* | TCGS | 80AND | 01 |
| 890. | 35. | | TCGS | 79FAI | 01 |
| 890. | 50. | | ITNA | 76STE | 05 |
| 890. | 200. | | PAA | 75OND | 01 |
| 900. | 180. | | OES | 76WEW | 01 |
| 900. | 100. | | PAA | 76CHA | 01 |
| 920. | 50. | | NAA | 76HAN | 01 |
| 930. | | | ICPES | 80NAD | 01 |
| 930. | | 34 | WXRF | 82MIL | 01 |
| 930. | | | ITNA | 75KLE | 01 |
| 946. | 24. | | ICPES | 81CHU | 01 |
| 951. | 53. | | EXRF | 79GIA | 01 |
| 960. | | | ICPES | 80NAD | 01 |
| 960. | | | ICPES | 80NAD | 01 |
| 972. | | | ICPES | 80NAD | 01 |
| 973. | 50. | | PAA | 74CHA | 01 |
| 980. | 60. | | ITNA | 79GRE | 01 |
| 995. | 100. | | ITNA | 78MAC | 01 |
| 1000. | 260. | | ITNA | 76RAG | 01 |
| 1028. | 30. | | AA | 79ROS | 03 |
| 1060. | | 35 | NAA | 81GLA | 03 |
| 1075. | 100. | | ITNA | 75OND | 01 |
| 1100. | 100. | | ITNA | 81WAN | 01 |
| 1100. | | | ITNA | 77GLU | 01 |
| 1100. | 110. | | ITNA | 76WEW | 01 |
| 1100. | 200. | | ITNA | 73ABE | 01 |
| 1200. | 200. | | ITNA | 78LAU | 02 |
| 1312. | 150. | * | ITNA | 73SHE | 01 |
| 1550. | 130. | * | ITNA | 82SUZ | 02 |
| Tl (ppb) | | | | | |
| | 2000. | L* | FAA | 77GLU | 01 |
| | 1000. | L* | WXRF | 82MIL | 01 |
| | 1000. | L* | AA | 76WEW | 01 |
| | 5000. | L* | OES | 76WEW | 01 |
| 500. | 100. | | PAA | 80SEG | 01 |
| 500. | 100. | 6 | PAA | 82SEG | 01 |
| 512. | 60. | | PAA | 74CHA | 01 |
| 520. | 60. | | PAA | 76CHA | 01 |

TABLE V (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 590. | 60. | | SSMS | 77PAU | 01 |
| 600. | 100. | 6 | PAA | 82SEG | 01 |
| 600. | 200. | | SSMS | 77DON | 01 |
| 610. | 37. | 8 | SSMS | 80KOP | 01 |
| Tm (ppb) | | | | | |
| | 1000. | L* | WXRF | 82MIL | 01 |
| | 5000. | L* | OES | 76WEW | 01 |
| 110. | | | FAA | 82GUP | 02 |
| 300. | | | ITNA | 77GLU | 01 |
| 300. | | | ITNA | 75MIL | 01 |
| U (ppm) | | | | | |
| | 2.3 | L* | EXRF | 79GIA | 01 |
| 0.98 | 0.078 | * | ITNA | 73SHE | 01 |
| 1.1 | 0.08 | 35 | RTNA | 75GLA | 01 |
| 1.2 | 0.1 | | ITNA | 78NAD | 02 |
| 1.2 | 0.1 | | ITNA | 75NAD | 02 |
| 1.2 | 0.05 | | IDMS | 78CAR | 02 |
| 1.21 | | | IDMS | 75KLE | 01 |
| 1.24 | 0.05 | | ITNA | 76RAG | 01 |
| 1.25 | 0.06 | | ITNA | 82SUZ | 02 |
| 1.26 | | | ITNA | 75KLE | 01 |
| 1.3 | 0.1 | | PAA | 80SEG | 01 |
| 1.3 | 0.1 | 6 | PAA | 82SEG | 01 |
| 1.33 | 0.05 | | DNA | 83GLA | 01 |
| 1.34 | 0.5 | | ITNA | 78MAC | 01 |
| 1.35 | | | ITNA | 77WEA | 01 |
| 1.37 | 0.08 | | ITNA | 74WEA | 01 |
| 1.4 | | | ITNA | 81WAN | 01 |
| 1.4 | 0.1 | 6 | PAA | 82SEG | 01 |
| 1.41 | 0.07 | | GAMMA | 73ABE | 01 |
| 1.41 | 0.07 | | GAMMA | 75OND | 01 |
| 1.41 | 0.07 | D* | NAA | 74OND | 01 |
| 1.43 | | | DNA | 75MIL | 01 |
| 1.45 | 0.04 | | IENA | 77ROW | 04 |
| 1.46 | 0.02 | | IENA | 76STE | 05 |
| 1.46 | 0.04 | | IENA | 77ROW | 03 |
| 1.46 | 0.35 | | ITNA | 75RUC | 01 |
| 1.49 | | 35 | DNA | 81GLA | 03 |
| 1.5 | 0.1 | 13 | PAA | 81SEG | 01 |
| 1.5 | | | ITNA | 75MIL | 01 |
| 1.52 | 0.11 | | ITNA | 76STE | 05 |
| 1.6 | 0.2 | 13 | PAA | 81SEG | 01 |
| 1.6 | 0.2 | | NAA | 76HAN | 01 |
| 2. | | *34 | WXRF | 82MIL | 01 |
| 6. | | * | AA | 76WEW | 01 |
| V (ppm) | | | | | |
| 24. | 8. | * | EXRF | 79GIA | 01 |
| 30. | 6. | 35 | ITNA | 81GLA | 03 |
| 32. | | 34 | WXRF | 82MIL | 01 |
| 32. | 4. | | ITNA | 78LAU | 02 |
| 32. | 1.3 | | OES | 76WEW | 01 |
| 32.5 | 1.5 | | NAA | 76HAN | 01 |
| 32.7 | 3.4 | | ITNA | 75NAD | 02 |
| 33. | 4. | | ITNA | 73ABE | 01 |
| 33. | | | ICPES | 80NAD | 01 |
| 33. | 6 | | ITNA | 80BUA | 01 |

TABLE V (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 33. | 3. | | ITNA | 78MAC | 01 |
| 33. | 1. | | ITNA | 76BLO | 01 |
| 33. | 3. | | ITNA | 78NAD | 02 |
| 33.6 | | | AA | 78GUI | 01 |
| 33.9 | 3. | | PAA | 74CHA | 01 |
| 34. | | | ICPES | 80NAD | 01 |
| 34. | 3. | | PAA | 76CHA | 01 |
| 35. | 2.9 | | ITNA | 77ROW | 03 |
| 35. | 2.9 | | ITNA | 76STE | 05 |
| 35. | | | ITNA | 77WEA | 01 |
| 35.2 | 1.5 | | AA | 79ROS | 03 |
| 35.8 | 3.4 | | ITNA | 81WAN | 01 |
| 36. | 2. | | ITNA | 79GRE | 01 |
| 36. | 4. | | ITNA | 73SHE | 01 |
| 36. | 3. | D* | NAA | 74OND | 01 |
| 36. | 3. | | ITNA | 75OND | 01 |
| 36. | | | AA | 76WEW | 01 |
| 36. | 4. | | ITNA | 76WEW | 01 |
| 36.2 | | | FAA | 78GUI | 01 |
| 37. | 3. | | ITNA | 75RIC | 01 |
| 37.6 | 1.4 | | ITNA | 77MAE | 01 |
| 38. | 1.2 | | ICPES | 81CHU | 01 |
| 40. | 3. | | ITNA | 75KLE | 01 |
| 41. | 10. | | ITNA | 76RAG | 01 |
| 42. | 2. | * | ITNA | 82SUZ | 02 |
| 43. | | *4 | AA | 79REI | 01 |
| 50. | | * | ITNA | 77GLU | 01 |
| W (ppb) | | | | | |
| | 1500. | L* | WXRF | 82MIL | 01 |
| 450. | 90. | * | ITNA | 81WAN | 01 |
| 630. | 60. | | ITNA | 77MAE | 01 |
| 650. | 150. | | ITNA | 76RAG | 01 |
| 710. | 70. | | IENA | 77ROW | 04 |
| 710. | 80. | | ITNA | 82SUZ | 02 |
| 740. | 300. | | ITNA | 75RUC | 01 |
| 750. | 100. | | IENA | 77ROW | 03 |
| 750. | 170. | | ITNA | 75OND | 01 |
| 750. | | | ITNA | 77WEA | 01 |
| 780. | 80. | | ITNA | 79GRE | 01 |
| 790. | 170. | | IENA | 76STE | 05 |
| 870. | 200. | | ITNA | 77CAH | 01 |
| 1900. | 800. | * | ITNA | 73SHE | 01 |
| Y (ppm) | | | | | |
| 7. | | | AA | 82GUP | 02 |
| 7.4 | | 34 | WXRF | 82MIL | 01 |
| 7.6 | 0.81 | | OES | 76WEW | 01 |
| 7.9 | 0.6 | | EXRF | 79GIA | 01 |
| 8. | | | OES | 82GUP | 02 |
| Yb (ppb) | | | | | |
| | 2000. | L* | WXRF | 82MIL | 01 |
| 550. | 40. | | ITNA | 73SHE | 01 |
| 550. | 80. | | ITNA | 76WEW | 01 |
| 670. | 20. | | ICPES | 81CHU | 01 |
| 690. | 40. | | ITNA | 75NAD | 02 |
| 690. | 40. | | ITNA | 78NAD | 02 |
| 700. | | | AA | 82GUP | 02 |

TABLE V (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 700. | 100. | | ITNA | 78LAU | 02 |
| 700. | 100. | | ITNA | 75OND | 01 |
| 740. | 90. | | ITNA | 77CAH | 01 |
| 760. | 30. | | ITNA | 76RAG | 01 |
| 780. | 70. | | ITNA | 75RUC | 01 |
| 800. | | | ITNA | 75MIL | 01 |
| 810. | 20. | | ITNA | 77MAE | 01 |
| 840. | 70. | | ITNA | 77ROW | 03 |
| 840. | 70. | 5 | ITNA | 77ROW | 04 |
| 880. | 90. | 5 | ITNA | 77ROW | 04 |
| 910. | 70. | | OES | 76WEW | 01 |
| 950. | 50. | | IENA | 77ROW | 04 |
| 1000. | 200. | | NAA | 76HAN | 01 |
| 1000. | 200. | | ITNA | 78MAC | 01 |
| 1030. | 80. | | ITNA | 82SUZ | 02 |
| 1200. | 200. | * | ITNA | 81WAN | 01 |
| Zn (ppm) | | | | | |
| 30. | 10. | D* | NAA | 74OND | 01 |
| 30. | 10. | | ITNA | 75OND | 01 |
| 32. | 3. | | ITNA | 78NAD | 02 |
| 32. | 8. | | SSMS | 77DON | 01 |
| 32. | 3. | | ITNA | 75NAD | 02 |
| 33. | 3. | 9 | ITNA | 78LAU | 02 |
| 34. | 1. | | EXRF | 81KIN | 01 |
| 34. | | 4 | AA | 79REI | 01 |
| 34. | | | ITNA | 77WEA | 01 |
| 34. | 9. | | ITNA | 77CAH | 01 |
| 34. | | | XRF | 75KLE | 01 |
| 34. | 17. | | ITNA | 76WEW | 01 |
| 35. | 5. | | ITNA | 77JER | 01 |
| 35. | 2. | 12 | ITNA | 82SUZ | 02 |
| 35.7 | 9.9 | | EXRF | 79GIA | 01 |
| 36. | | | ICPES | 80NAD | 01 |
| 36. | 7. | 6 | PAA | 82SEG | 01 |
| 36. | 0.6 | | RTNA | 74ORV | 01 |
| 36.6 | 1.4 | | EXRF | 73SPA | 01 |
| 37. | 3. | | PAA | 77JER | 01 |
| 37. | 3. | | PAA | 76CHA | 01 |
| 37. | 6. | | IENA | 77ROW | 04 |
| 37. | | | AA | 76WEW | 01 |
| 37. | 10. | | NAA | 76HAN | 01 |
| 37.2 | 17.4 | | ITNA | 75RUC | 01 |
| 37.5 | 2.8 | | PAA | 74CHA | 01 |
| 38. | 5. | | SSMS | 77PAU | 01 |
| 38. | | 34 | WXRF | 82MIL | 01 |
| 38.1 | 1.4 | | RTNA | 77JER | 01 |
| 38.1 | 0.8 | | AF | 75EPS | 01 |
| 38.4 | 1. | | AA | 75EPS | 01 |
| 38.4 | 0.9 | | AA | 74RAI | 01 |
| 38.5 | | | AA | 78GUI | 01 |
| 39. | 1. | 7 | AA | 73TAL | 01 |
| 39. | 2. | | ITNA | 82SUZ | 02 |
| 39. | 3. | | PAA | 80SEG | 01 |
| 39. | | | EXRF | 82KEE | 01 |
| 39. | | | ICPES | 80NAD | 01 |
| 39. | 1. | | FAA | 74TAL | 01 |
| 39. | 6. | D* | ITNA | 77ROW | 04 |
| 39. | 3. | 6 | PAA | 82SEG | 01 |
| 39. | 6. | | ITNA | 77ROW | 03 |
| 40. | 1.2 | | ICPES | 81CHU | 01 |

TABLE V (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 40.8 | 4. | | ITNA | 81WAN | 01 |
| 42. | | | ITNA | 77GLU | 01 |
| 43. | 2. | | ITNA | 76RAG | 01 |
| 45. | 17. | | OES | 76WEW | 01 |
| 50. | 10. | * | ITNA | 78LAU | 02 |
| 52. | 4. | * | ITNA | 78MAC | 01 |
| 58. | 7. | * | ITNA | 77MAE | 01 |
| Zr (ppm) | | | | | |
| | 100. | L* | IENA | 77ROW | 04 |
| | 250. | L* | ITNA | 77ROW | 04 |
| 1.56 | 0.14 | * | PAA | 74CHA | 01 |
| 16. | 2. | | PAA | 76CHA | 01 |
| 25. | 0.75 | | ICPES | 81CHU | 01 |
| 25. | 3. | | OES | 76WEW | 01 |
| 28. | 24. | | ITNA | 76RAG | 01 |
| 33. | 4. | | EXRF | 79GIA | 01 |
| 38. | | 34 | WXRF | 82MIL | 01 |
| 40. | 4. | 9 | ITNA | 78LAU | 02 |
| 41. | | | ITNA | 75MIL | 01 |
| 45. | | | ITNA | 75KLE | 01 |
| 46. | | | AA | 76WEW | 01 |
| 85. | 9. | *12 | ITNA | 82SUZ | 02 |
| 90. | 10. | * | ITNA | 82SUZ | 02 |

TABLE W

NBS SRM 1632A—COLLECTED DATA

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Ag (ppb) | | | | | |
| | 3000. | L* | WXRF | 82MIL | 01 |
| 300. | | | ITNA | 79CAH | 01 |
| Al (%) | | | | | |
| 2.8 | 0.27 | | CPXRF | 80KIR | 01 |
| 2.9 | 0.05 | | TCGS | 79AND | 01 |
| 2.9 | 0.3 | | ITNA | 80GER | 01 |
| 2.93 | 0.03 | | AA | 82NAD | 02 |
| 2.95 | 0.04 | | XRF | 79CAH | 01 |
| 2.99 | 0.14 | | ITNA | 83GLA | 01 |
| 2.99 | 0.06 | | ITNA | 820BR | 01 |
| 3. | 0.05 | | ICPES | 82NAD | 02 |
| 3.01 | 0.13 | D* | TCGS | 80GER | 01 |
| 3.01 | 0.13 | D* | TCGS | 80AND | 01 |
| 3.01 | 0.13 | | TCGS | 79FAI | 01 |
| 3.07 | 0.13 | | ITNA | 80GAR | 01 |
| 9.47 | | * | EXRF | 82EBD | 02 |
| As (ppm) | | | | | |
| 6.4 | 2.1 | * | CPXRF | 80KIR | 01 |
| 7.6 | | *11 | FAA | 82EBD | 02 |
| 8.4 | | 11 | FAA | 82EBD | 02 |
| 8.88 | 1.22 | | ICPES | 81NAD | 01 |
| 9. | 0.4 | | ITNA | 80KOS | 01 |
| 9. | 0.4 | | ITNA | 81KUL | 01 |
| 9. | | 11 | FAA | 82EBD | 02 |
| 9.2 | | 34 | WXRF | 82MIL | 01 |
| 9.27 | | | AF | 82WIL | 01 |
| 9.34 | | | FAA | 82WIL | 01 |
| 9.4 | 1.3 | | ITNA | 79CAH | 01 |
| 9.4 | 1.3 | | ITNA | 820BR | 01 |
| 9.54 | 0.64 | | HAA | 82NAD | 01 |
| 9.6 | | 11 | FAA | 82EBD | 02 |
| 9.8 | | 11 | FAA | 82EBD | 02 |
| 9.9 | 0.5 | | PAA | 80GER | 01 |
| 10.2 | 0.4 | | ITNA | 81JIN | 01 |
| 11. | 2. | * | ITNA | 80GER | 01 |
| Ash (%) | | | | | |
| 21.7 | | | UU | 82EBD | 02 |
| 21.8 | | 34 | CB | 82MIL | 01 |
| Au (ppb) | | | | | |
| | 50. | L* | ITNA | 79CAH | 01 |
| 3. | 1. | | ITNA | 80KOS | 01 |
| B (ppm) | | | | | |
| 22. | 3. | * | ICPES | 81NAD | 01 |
| 50.9 | 0.5 | | TCGS | 79AND | 01 |
| 52. | 19. | | ITNA | 82SCH | 05 |
| 52.7 | 1.8 | | TCGS | 79FAI | 01 |
| 53. | 2. | D* | TCGS | 80GER | 01 |
| 53. | 2. | | TCGS | 80AND | 01 |
| 55. | 4. | 35 | TCGS | 81GLA | 04 |

TABLE W (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Ba (ppm) | | | | | |
| | 7500. | L* | ITNA | 80TOU | 01 |
| 100. | 13. | | ITNA | 81JIN | 01 |
| 116. | 7. | 5 | ITNA | 80TOU | 01 |
| 120. | 10. | | ICPES | 82NAD | 02 |
| 122. | 11. | | ITNA | 80GER | 01 |
| 125. | | 34 | WXRF | 82MIL | 01 |
| 138. | 20. | | ITNA | 79CAH | 01 |
| 150. | 26. | | ITNA | 80GAR | 01 |
| Bi (ppm) | | | | | |
| | 1. | L* | WXRF | 82MIL | 01 |
| Br (ppm) | | | | | |
| | 550. | L* | ITNA | 80TOU | 01 |
| 39.6 | 1.9 | | ITNA | 820BR | 01 |
| 40. | 2. | | ITNA | 83GLA | 01 |
| 41. | 4. | | ITNA | 80GER | 01 |
| 42. | | 34 | WXRF | 82MIL | 01 |
| 43. | 0.6 | | ITNA | 81JIN | 01 |
| 43. | 7. | | ITNA | 79CAH | 01 |
| 43. | | | ISE | 81NAD | 01 |
| 44.5 | 2.7 | 5 | IENA | 79GLA | 02 |
| 44.9 | 0.9 | 5 | IENA | 79GLA | 02 |
| 50. | 4. | *5 | ITNA | 80TOU | 01 |
| C (%) | | | | | |
| 62.7 | 0.06 | | CB | 80SCH | 02 |
| 65. | 4. | | TCGS | 79AND | 01 |
| 71. | 4. | D* | TCGS | 80GER | 01 |
| 71. | 4. | D* | TCGS | 80AND | 01 |
| 71. | 4. | | TCGS | 79FAI | 01 |
| Ca (ppm) | | | | | |
| 2100. | 100. | | PAA | 80GER | 01 |
| 2200. | 300. | | ITNA | 83GLA | 01 |
| 2300. | 30. | | AA | 82NAD | 02 |
| 2300. | 100. | | XRF | 79CAH | 01 |
| 2400. | 200. | D* | TCGS | 80GER | 01 |
| 2400. | 200. | D* | TCGS | 80AND | 01 |
| 2400. | 200. | | ITNA | 80GER | 01 |
| 2400. | 30. | | ICPES | 82NAD | 02 |
| 2400. | 200. | | TCGS | 79FAI | 01 |
| 2400. | 200. | D* | TCGS | 79AND | 01 |
| 2450. | 140. | | ITNA | 820BR | 01 |
| 2700. | 175. | | ITNA | 80GAR | 01 |
| 46500. | | * | EXRF | 82EBD | 02 |
| Cd (ppb) | | | | | |
| | 600. | L* | AA | 79CAH | 01 |
| | 4000. | L* | WXRF | 82MIL | 01 |
| 150. | 30. | | TCGS | 79AND | 01 |
| 200. | 50. | | ITNA | 80KOS | 01 |
| 210. | 30. | D* | TCGS | 80AND | 01 |
| 210. | 30. | D* | TCGS | 80GER | 01 |
| 210. | 30. | | TCGS | 79FAI | 01 |

TABLE W (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Ce (ppm) | | | | | |
| 25.7 | 7.2 | | CPXRF | 80KIR | 01 |
| 26. | 1.7 | | ITNA | 79CAH | 01 |
| 27. | 4. | | ITNA | 81KUL | 01 |
| 27. | 4. | | ITNA | 80KOS | 01 |
| 28.5 | 0.3 | | ITNA | 81JIN | 01 |
| 28.5 | 0.4 | | ICPES | 82CRO | 01 |
| 31.1 | 3.4 | | ITNA | 80GAR | 01 |
| 32. | | 34 | WXRF | 82MIL | 01 |
| 32. | 4. | | ITNA | 80GER | 01 |
| Cl (ppm) | | | | | |
| 700. | 100. | | XRF | 79CAH | 01 |
| 750. | 60. | | ITNA | 83GLA | 01 |
| 760. | | 34 | WXRF | 82MIL | 01 |
| 766. | 30. | | TCGS | 79AND | 01 |
| 770. | 48. | | ISE | 81NAD | 01 |
| 776. | 36. | | ITNA | 82OBR | 01 |
| 784. | 17. | D* | TCGS | 80GER | 01 |
| 784. | 17. | D* | TCGS | 80AND | 01 |
| 784. | 17. | | TCGS | 79FAI | 01 |
| 800. | 70. | | ITNA | 80GER | 01 |
| 897. | 23. | * | ITNA | 80GAR | 01 |
| Co (ppm) | | | | | |
| | 250. | L* | ITNA | 80TOU | 01 |
| 5.86 | 0.21 | | ITNA | 81JIN | 01 |
| 6. | | 34 | WXRF | 82MIL | 01 |
| 6.5 | 0.2 | | ITNA | 80GER | 01 |
| 6.5 | 0.5 | | ITNA | 81KUL | 01 |
| 6.6 | 0.5 | 5 | ITNA | 80TOU | 01 |
| 6.6 | 1.1 | | ITNA | 80GAR | 01 |
| 6.8 | 0.3 | | ITNA | 80KOS | 01 |
| 7.5 | 0.4 | * | ITNA | 79CAH | 01 |
| Cr (ppm) | | | | | |
| 26. | 3. | | ITNA | 81KUL | 01 |
| 26. | 6. | | ITNA | 80KOS | 01 |
| 33.3 | 1.6 | | ITNA | 81JIN | 01 |
| 34. | 2. | | ITNA | 80GER | 01 |
| 36. | 2. | | ITNA | 79CAH | 01 |
| 36. | 6. | | ITNA | 80GAR | 01 |
| 36. | 3.5 | | CPXRF | 80KIR | 01 |
| 39. | 8.8 | | AE+AF | 82GOL | 01 |
| 40. | | 34 | WXRF | 82MIL | 01 |
| Cs (ppm) | | | | | |
| 1.9 | 0.6 | | ITNA | 79CAH | 01 |
| 2. | 0.3 | | ITNA | 80GER | 01 |
| 2.3 | 0.11 | | ITNA | 81JIN | 01 |
| 2.4 | 0.8 | | ITNA | 80GAR | 01 |
| 2.4 | 0.2 | | ITNA | 81KUL | 01 |
| 2.5 | | 34 | WXRF | 82MIL | 01 |
| 2.5 | 0.2 | | IENA | 80KOS | 01 |

TABLE W (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Cu (ppm) | | | | | |
| 15.9 | 0.4 | | AA | 79CAH | 01 |
| 16. | 2.1 | | CPXRF | 80KIR | 01 |
| 17. | | 34 | WXRF | 82MIL | 01 |
| 17.2 | 3. | | FAA | 80LAN | 01 |
| Dy (ppm) | | | | | |
| | 2.5 | L* | WXRF | 82MIL | 01 |
| 1.83 | 0.11 | | ITNA | 82OBR | 01 |
| 1.98 | 0.53 | 5 | ITNA | 80TOU | 01 |
| 2.1 | 0.1 | | ICPES | 82CRO | 01 |
| 2.2 | 0.1 | | ITNA | 79CAH | 01 |
| 2.2 | 0.3 | | ITNA | 80GER | 01 |
| 2.56 | 0.26 | | ITNA | 80GAR | 01 |
| Er (ppm) | | | | | |
| | 3. | L* | WXRF | 82MIL | 01 |
| 0.91 | 0.05 | | ICPES | 82CRO | 01 |
| Eu (ppb) | | | | | |
| | 1000. | L* | WXRF | 82MIL | 01 |
| 460. | 20. | * | ITNA | 82OBR | 01 |
| 490. | 10. | | ICPES | 82CRO | 01 |
| 510. | 82. | | ITNA | 80GAR | 01 |
| 510. | 30. | | ITNA | 81JIN | 01 |
| 540. | 80. | | ITNA | 80KOS | 01 |
| 540. | 80. | | ITNA | 81KUL | 01 |
| 550. | 30. | | ITNA | 79CAH | 01 |
| 550. | 30. | | ITNA | 80GER | 01 |
| F (ppm) | | | | | |
| 84. | 8. | | ISE | 81NAD | 01 |
| 95. | | | ISE | 83KNA | 01 |
| Fe (%) | | | | | |
| 1.07 | 0.03 | * | XRF | 79CAH | 01 |
| 1.1 | 0.06 | | ITNA | 81KUL | 01 |
| 1.1 | 0.02 | | ITNA | 81JIN | 01 |
| 1.11 | 0.06 | D* | TCGS | 80GER | 01 |
| 1.11 | 0.06 | D* | TCGS | 80AND | 01 |
| 1.11 | 0.02 | | AA | 82NAD | 02 |
| 1.11 | 0.06 | | TCGS | 79FAI | 01 |
| 1.12 | 0.01 | | ITNA | 80KOS | 01 |
| 1.12 | 0.01 | | ICPES | 82NAD | 02 |
| 1.12 | 0.09 | | ITNA | 80GAR | 01 |
| 1.14 | 0.01 | | AA | 79CAH | 01 |
| 1.16 | 0.03 | | ITNA | 80GER | 01 |
| 1.16 | 0.37 | | ITNA | 79CAH | 01 |
| 1.17 | 0.04 | * | TCGS | 79AND | 01 |
| 6.78 | | * | EXRF | 82EBD | 02 |
| Ga (ppm) | | | | | |
| 7.2 | 2.5 | | CPXRF | 80KIR | 01 |
| 7.84 | 0.6 | | ITNA | 82OBR | 01 |
| 8. | 0.8 | | ITNA | 80GER | 01 |

TABLE W (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 8.4 | | 34 | WXRF | 82MIL | 01 |
| 8.5 | 0.8 | | ITNA | 79CAH | 01 |
| Gd (ppm) | | | | | |
| 1.9 | 0.2 | | TCGS | 79AND | 01 |
| 1.95 | 0.03 | D* | TCGS | 80GER | 01 |
| 1.95 | 0.03 | | TCGS | 79FAI | 01 |
| 2.4 | 0.2 | | ICPES | 82CRO | 01 |
| 3. | 0.05 | | TCGS | 80AND | 01 |
| 3. | | 34 | WXRF | 82MIL | 01 |
| Ge (ppm) | | | | | |
| 2.5 | | 34 | WXRF | 82MIL | 01 |
| H (%) | | | | | |
| 3.68 | 0.07 | | TCGS | 79AND | 01 |
| 3.7 | 0.1 | D* | TCGS | 80GER | 01 |
| 3.7 | 0.1 | D* | TCGS | 80AND | 01 |
| 3.7 | 0.1 | | TCGS | 79FAI | 01 |
| 4.17 | 0.01 | | CB | 80SCH | 02 |
| H2O-T (%) | | | | | |
| 1.62 | | | FD | 80KHA | 02 |
| Hf (ppm) | | | | | |
| | 2. | L* | WXRF | 82MIL | 01 |
| | 3.8 | L* | ITNA | 80TOU | 01 |
| 1.44 | 0.09 | | ITNA | 81JIN | 01 |
| 1.55 | 0.08 | | ITNA | 80GER | 01 |
| 1.7 | 0.1 | | ITNA | 79CAH | 01 |
| 1.8 | 0.3 | | ITNA | 80GAR | 01 |
| 1.9 | 0.3 | 5 | ITNA | 80TOU | 01 |
| Hg (ppb) | | | | | |
| | 1500. | L* | WXRF | 82MIL | 01 |
| 118. | 14. | | CVAA | 80NAD | 01 |
| 120. | 50. | | ITNA | 80KOS | 01 |
| 134.1 | 3.1 | | CVAA | 82EBD | 01 |
| 134.1 | | | AF | 82WIL | 01 |
| 135. | 18. | | CVAA | 82DOO | 01 |
| 170. | 20. | | CVAA | 81NAD | 01 |
| 210. | 90. | | ITNA | 81KUL | 01 |
| Ho (ppb) | | | | | |
| | 2000. | L* | WXRF | 82MIL | 01 |
| 380. | 50. | | ICPES | 82CRO | 01 |
| I (ppm) | | | | | |
| 0.9 | | 34 | WXRF | 82MIL | 01 |
| 1.77 | | | IENA | 83GLA | 01 |
| 1.8 | 0.2 | | ITNA | 80GER | 01 |

TABLE W (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| In (ppb) | | | | | |
| | 1000. | L* | WXRF | 82MIL | 01 |
| 36. | 4. | | ITNA | 80GER | 01 |
| 36. | 3. | | ITNA | 82OBR | 01 |
| 40. | 10. | | ITNA | 79CAH | 01 |
| K (ppm) | | | | | |
| 3700. | | * | XRF | 79CAH | 01 |
| 3800. | 50. | | ITNA | 82OBR | 01 |
| 4000. | 200. | | ITNA | 81JIN | 01 |
| 4100. | 100. | | TCGS | 79AND | 01 |
| 4100. | 200. | | ICPES | 82NAD | 02 |
| 4200. | 200. | D* | TCGS | 80GER | 01 |
| 4200. | 200. | D* | TCGS | 80AND | 01 |
| 4200. | 200. | | ITNA | 80GER | 01 |
| 4200. | 200. | | TCGS | 79FAI | 01 |
| 4200. | 150. | | AA | 82NAD | 02 |
| 4200. | 200. | | ITNA | 79CAH | 01 |
| 4300. | 645. | | ITNA | 80GAR | 01 |
| 14900. | | * | EXRF | 82EBD | 02 |
| La (ppm) | | | | | |
| 10.9 | 0.5 | | ITNA | 80KOS | 01 |
| 12.8 | 0.5 | | ITNA | 82OBR | 01 |
| 13.03 | 0.3 | | ITNA | 81JIN | 01 |
| 14.5 | 0.2 | | ICPES | 82CRO | 01 |
| 15. | 2.6 | | ITNA | 80GAR | 01 |
| 15.1 | 1.2 | | ITNA | 79CAH | 01 |
| 18. | 2. | | ITNA | 80GER | 01 |
| 19. | | 34 | WXRF | 82MIL | 01 |
| Li (ppm) | | | | | |
| 36.2 | 0.1 | | AA | 79CAH | 01 |
| Lu (ppb) | | | | | |
| | 2000. | L* | WXRF | 82MIL | 01 |
| 134. | 13. | | ITNA | 80KOS | 01 |
| 150. | 10. | | ICPES | 82CRO | 01 |
| 180. | 70. | | ITNA | 80GAR | 01 |
| 180. | 30. | | ITNA | 80GER | 01 |
| 190. | 20. | | ITNA | 81JIN | 01 |
| 220. | 40. | | ITNA | 79CAH | 01 |
| Mg (ppm) | | | | | |
| 600. | 300. | * | XRF | 79CAH | 01 |
| 990. | 40. | | AA | 82NAD | 02 |
| 1020. | 10. | | ICPES | 82NAD | 02 |
| 1300. | 300. | | ITNA | 80GER | 01 |
| 1400. | 220. | | ITNA | 80GAR | 01 |
| 19900. | | * | EXRF | 82EBD | 02 |
| Mn (ppm) | | | | | |
| 20. | 4.3 | | CPXRF | 80KIR | 01 |
| 26. | 6. | | AE+AF | 82GOL | 01 |
| 28. | | 34 | WXRF | 82MIL | 01 |

TABLE W (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 29. | 5. | D* | TCGS | 80GER | 01 |
| 29. | 1. | | ITNA | 83GLA | 01 |
| 29. | 5. | D* | TCGS | 80AND | 01 |
| 29. | 5. | | TCGS | 79FAI | 01 |
| 31.5 | 1.1 | | ITNA | 820BR | 01 |
| 32. | 3. | | ITNA | 80GER | 01 |
| 32. | 9. | | ITNA | 79CAH | 01 |
| 33.7 | 1.2 | | ITNA | 80GAR | 01 |
| 34. | | | ICPES | 82NAD | 02 |
| 720. | | * | EXRF | 82EBD | 02 |
| Mo (ppm) | | | | | |
| | 4. | L* | ITNA | 79CAH | 01 |
| 2. | | 34 | WXRF | 82MIL | 01 |
| N (%) | | | | | |
| 1.19 | 0.08 | | CHEML | 81NAD | 01 |
| 1.2 | 0.1 | | TCGS | 79AND | 01 |
| 1.26 | 0.03 | | CB | 80SCH | 02 |
| 1.27 | 0.08 | D* | TCGS | 80AND | 01 |
| 1.27 | 0.08 | D* | TCGS | 80GER | 01 |
| 1.27 | 0.08 | | TCGS | 79FAI | 01 |
| Na (ppm) | | | | | |
| 680. | 38. | | ITNA | 79CAH | 01 |
| 720. | 40. | | ITNA | 820BR | 01 |
| 760. | 160. | | ITNA | 83GLA | 01 |
| 800. | 50. | | AA | 82NAD | 02 |
| 810. | 30. | | ICPES | 82NAD | 02 |
| 825. | | 34 | WXRF | 82MIL | 01 |
| 850. | 40. | | ITNA | 80GER | 01 |
| 860. | | | ITNA | 81JIN | 01 |
| 884. | 32. | | ITNA | 80GAR | 01 |
| 940. | 260. | | XRF | 79CAH | 01 |
| 1025. | 125. | | ITNA | 82SCH | 05 |
| 4450. | | * | EXRF | 82EBD | 02 |
| Nb (ppm) | | | | | |
| 4. | | 34 | WXRF | 82MIL | 01 |
| Nd (ppm) | | | | | |
| 10. | 2. | | ITNA | 80GER | 01 |
| 11. | | 34 | WXRF | 82MIL | 01 |
| 11.8 | 0.4 | D* | TCGS | 80AND | 01 |
| 11.8 | 0.4 | | TCGS | 79FAI | 01 |
| 13. | 0.1 | | ICPES | 82CRO | 01 |
| 15.6 | 3.7 | * | ITNA | 81JIN | 01 |
| Ni (ppm) | | | | | |
| 15.7 | 0.6 | | AA | 79CAH | 01 |
| 18. | 3.4 | | CPXRF | 80KIR | 01 |
| 19. | 3.5 | | AE+AF | 82GOL | 01 |
| 19.4 | 1.4 | | ITNA | 81JIN | 01 |
| 20.4 | 2. | | FAA | 80LAN | 01 |
| 22. | | 34 | WXRF | 82MIL | 01 |
| 23. | 4. | | ITNA | 79CAH | 01 |
| 26. | 4. | * | PAA | 80GER | 01 |

TABLE W (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| O (%) | | | | | |
| 18.31 | 0.23 | 34 | 14NAA | 80KHA | 02 |
| 18.4 | 0.7 | | 14NAA | 80NAD | 01 |
| 19.8 | 0.3 | 35 | 14NAA | 80KHA | 02 |
| P (ppm) | | | | | |
| 85. | 17. | * | ICPES | 81NAD | 01 |
| 205. | | 34 | WXRF | 82MIL | 01 |
| 280. | 80. | | XRF | 79CAH | 01 |
| 280. | | | AA | 82NAD | 02 |
| 280. | 50. | | ICPES | 82NAD | 02 |
| 1310. | | * | EXRF | 82EBD | 02 |
| Pb (ppm) | | | | | |
| 6.9 | 0.9 | | ICPES | 81NAD | 01 |
| 8.3 | 1.9 | | CPXRF | 80KIR | 01 |
| 12.4 | 0.4 | | HAA | 82NAD | 01 |
| 13. | | 34 | WXRF | 82MIL | 01 |
| 15.3 | 2.5 | | AA | 79CAH | 01 |
| Pb-21 (PC1) | | | | | |
| 0.449 | 0.024 | D* | NM | 81CAS | 01 |
| 0.449 | 0.024 | | NM | 80CAS | 01 |
| Pr (ppm) | | | | | |
| 3. | | 34 | WXRF | 82MIL | 01 |
| 3.3 | 0.1 | | ICPES | 82CRO | 01 |
| Rb (ppm) | | | | | |
| | 410. | L* | ITNA | 80TOU | 01 |
| 28.2 | 1.1 | | ITNA | 81JIN | 01 |
| 29. | | 34 | WXRF | 82MIL | 01 |
| 29. | 1. | | ITNA | 80GER | 01 |
| 29. | 5. | | ITNA | 81KUL | 01 |
| 29. | 5. | 5 | ITNA | 80TOU | 01 |
| 29. | 5. | | IENA | 80KOS | 01 |
| 29. | 1. | | PAA | 80GER | 01 |
| 30. | 2. | | ITNA | 79CAH | 01 |
| 34. | 4.6 | * | CPXRF | 80KIR | 01 |
| S (%) | | | | | |
| 1.19 | 0.01 | * | XRF | 79CAH | 01 |
| 1.48 | 0.07 | | XRF | 81NAD | 01 |
| 1.59 | 0.02 | D* | TCGS | 80GER | 01 |
| 1.59 | 0.02 | D* | TCGS | 80AND | 01 |
| 1.59 | 0.09 | | TCGS | 79AND | 01 |
| 1.59 | 0.02 | | TCGS | 79FAI | 01 |
| 1.6 | 0.07 | | CPXRF | 80KIR | 01 |
| 1.62 | | | UU | 82EBD | 02 |
| Sb (ppb) | | | | | |
| 410. | 150. | | HAA | 82NAD | 01 |
| 530. | 50. | | ITNA | 80KOS | 01 |
| 530. | 50. | | ITNA | 81KUL | 01 |

TABLE W (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 600. | 90. | | ITNA | 80GER | 01 |
| 620. | 80. | | ITNA | 81JIN | 01 |
| 690. | 50. | 5 | ITNA | 80TOU | 01 |
| 800. | 50. | | ITNA | 79CAH | 01 |
| 1000. | | *34 | WXRF | 82MIL | 01 |
| **Sc (ppm)** | | | | | |
| 5.3 | 1.2 | * | CPXRF | 80KIR | 01 |
| 6. | 0.3 | | ITNA | 81KUL | 01 |
| 6.2 | 0.2 | | ITNA | 79CAH | 01 |
| 6.2 | | 34 | WXRF | 82MIL | 01 |
| 6.3 | 0.2 | 5 | ITNA | 80TOU | 01 |
| 6.3 | 0.1 | | ITNA | 80KOS | 01 |
| 6.56 | 0.23 | | ITNA | 80GAR | 01 |
| 6.7 | 0.05 | | ITNA | 81JIN | 01 |
| 6.8 | 0.6 | | ITNA | 80GER | 01 |
| 6.9 | 0.9 | 5 | ITNA | 80TOU | 01 |
| **Se (ppm)** | | | | | |
| 2.4 | | 34 | WXRF | 82MIL | 01 |
| 2.4 | 0.3 | | RTNA | 80KNA | 01 |
| 2.57 | 0.05 | | IENA | 80KOS | 01 |
| 2.58 | | | FAA | 82WIL | 01 |
| 2.59 | | | AF | 82WIL | 01 |
| 2.6 | 0.3 | | ITNA | 80GER | 01 |
| 3. | 0.1 | | ITNA | 79CAH | 01 |
| 3.12 | 0.17 | * | HAA | 82NAD | 01 |
| **Si (%)** | | | | | |
| 3.1 | 0.14 | * | CPXRF | 80KIR | 01 |
| 5.8 | 0.1 | D* | TCGS | 80AND | 01 |
| 5.8 | 0.1 | D* | TCGS | 80GER | 01 |
| 5.8 | 0.1 | | TCGS | 79FAI | 01 |
| 5.92 | 0.01 | | XRF | 79CAH | 01 |
| 6.05 | 0.2 | | TCGS | 79AND | 01 |
| 6.09 | 0.07 | | ICPES | 82NAD | 02 |
| 6.21 | 0.08 | | AA | 82NAD | 02 |
| 27.79 | | * | EXRF | 82EBD | 02 |
| **Sm (ppm)** | | | | | |
| | 110. | L* | ITNA | 80TOU | 01 |
| 1.1 | 0.1 | * | ITNA | 80KOS | 01 |
| 1.9 | 0.1 | 5 | ITNA | 80TOU | 01 |
| 2. | | 34 | WXRF | 82MIL | 01 |
| 2.1 | 0.07 | D* | TCGS | 80GER | 01 |
| 2.1 | 0.07 | D* | TCGS | 80AND | 01 |
| 2.1 | 0.07 | | TCGS | 79FAI | 01 |
| 2.1 | 0.05 | | TCGS | 79AND | 01 |
| 2.5 | 0.4 | | ITNA | 80GAR | 01 |
| 2.57 | 0.09 | | ITNA | 81JIN | 01 |
| 2.6 | 0.1 | | ITNA | 79CAH | 01 |
| 2.6 | 0.1 | | ICPES | 82CRO | 01 |
| 2.62 | 0.13 | | ITNA | 82OBR | 01 |
| 2.8 | 0.3 | | ITNA | 80GER | 01 |
| **Sn (ppm)** | | | | | |
| 1. | | 34 | WXRF | 82MIL | 01 |
| 8.08 | 1.02 | | HAA | 82NAD | 01 |

TABLE W (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| **Sr (ppm)** | | | | | |
| 83.6 | 7.8 | | ITNA | 82OBR | 01 |
| 84. | 9. | | ITNA | 80GER | 01 |
| 90. | | 34 | WXRF | 82MIL | 01 |
| 91. | 18. | | ITNA | 79CAH | 01 |
| 95.5 | 11.8 | | ITNA | 81JIN | 01 |
| **Ta (ppb)** | | | | | |
| | 2000. | L* | WXRF | 82MIL | 01 |
| 390. | 50. | | ITNA | 79CAH | 01 |
| 400. | 30. | | ITNA | 80GER | 01 |
| 450. | 50. | | ITNA | 81JIN | 01 |
| **Tb (ppb)** | | | | | |
| | 2000. | L* | WXRF | 82MIL | 01 |
| 290. | 30. | | ITNA | 81JIN | 01 |
| 300. | 100. | | ICPES | 82CRO | 01 |
| 320. | 50. | | ITNA | 80GER | 01 |
| 330. | 40. | | ITNA | 79CAH | 01 |
| **Te (ppb)** | | | | | |
| | 600 | L* | WXRF | 82MIL | 01 |
| 500. | 50. | | HAA | 82NAD | 01 |
| **Th (ppm)** | | | | | |
| | 1600. | L* | ITNA | 80TOU | 01 |
| 3.1 | 0.5 | * | CPXRF | 80KIR | 01 |
| 4.2 | 0.3 | | ITNA | 79CAH | 01 |
| 4.2 | 0.2 | 5 | ITNA | 80TOU | 01 |
| 4.3 | 0.9 | | ITNA | 81KUL | 01 |
| 4.3 | 0.3 | | ITNA | 80KOS | 01 |
| 4.48 | 0.04 | | ITNA | 81JIN | 01 |
| 4.8 | 0.2 | | ITNA | 80GER | 01 |
| 4.8 | 0.6 | | ITNA | 80GAR | 01 |
| 5. | | 34 | WXRF | 82MIL | 01 |
| **Th (ppm)** | | | | | |
| | 1600. | L* | ITNA | 80TOU | 01 |
| 3.1 | 0.5 | * | CPXRF | 80KIR | 01 |
| 4.2 | 0.3 | | ITNA | 79CAH | 01 |
| 4.2 | 0.2 | 5 | ITNA | 80TOU | 01 |
| 4.3 | 0.9 | | ITNA | 81KUL | 01 |
| 4.3 | 0.3 | | ITNA | 80KOS | 01 |
| 4.48 | 0.04 | | ITNA | 81JIN | 01 |
| 4.8 | 0.2 | | ITNA | 80GER | 01 |
| 4.8 | 0.6 | | ITNA | 80GAR | 01 |
| 5. | | 34 | WXRF | 82MIL | 01 |
| **Th-228 (PCi)** | | | | | |
| 0.499 | 0.011 | D* | NM | 81CAS | 01 |
| 0.499 | 0.011 | | NM | 80CAS | 01 |
| **Th-230 (PCi)** | | | | | |
| 0.452 | 0.017 | D* | NM | 81CAS | 01 |
| 0.452 | 0.017 | | NM | 80CAS | 01 |

TABLE W (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Th-232 (PC1) | | | | | |
| 0.484 | 0.018 | D* | NM | 81CAS | 01 |
| 0.484 | 0.018 | | NM | 80CAS | 01 |
| Ti (ppm) | | | | | |
| 1480. | 30. | | TCGS | 79AND | 01 |
| 1550. | 40. | D* | TCGS | 80GER | 01 |
| 1550. | 40. | D* | TCGS | 80AND | 01 |
| 1550. | 40. | | TCGS | 79FAI | 01 |
| 1600. | 40. | | ICPES | 82NAD | 02 |
| 1600. | | 34 | WXRF | 82MIL | 01 |
| 1620. | 45. | | ITNA | 82OBR | 01 |
| 1630. | 70. | | ITNA | 80GER | 01 |
| 1700. | 300. | | CPXRF | 80KIR | 01 |
| 1720. | 170. | | ITNA | 80GAR | 01 |
| 1760. | | | AA | 82NAD | 02 |
| 1800. | 100. | | XRF | 79CAH | 01 |
| 5990. | | * | EXRF | 82EBD | 02 |
| Tl (ppm) | | | | | |
| | 1. | L* | WXRF | 82MIL | 01 |
| Tm (ppb) | | | | | |
| | 1000. | L* | WXRF | 82MIL | 01 |
| 400. | 100. | | ICPES | 82CRO | 01 |
| U (ppm) | | | | | |
| | 62. | L* | ITNA | 80TOU | 01 |
| 1. | | *34 | WXRF | 82MIL | 01 |
| 1.1 | 0.2 | | ITNA | 79CAH | 01 |
| 1.12 | 0.4 | | ITNA | 81KUL | 01 |
| 1.16 | 0.11 | | ITNA | 81JIN | 01 |
| 1.2 | 0.1 | 5 | ITNA | 80TOU | 01 |
| 1.21 | 0.1 | | ITNA | 80GER | 01 |
| 1.24 | 0.1 | | IENA | 81KUL | 02 |
| 1.24 | 0.04 | | IENA | 80KOS | 01 |
| 1.26 | 0.08 | | DNA | 83GLA | 01 |
| 1.28 | 0.08 | | DNA | 80GAR | 01 |
| 1.3 | 0.1 | 35 | DNA | 81GLA | 04 |
| 1.3 | 0.11 | | ITNA | 82OBR | 01 |
| 1.45 | 0.05 | *35 | DNA | 81GLA | 03 |
| U-234 (PC1) | | | | | |
| 0.448 | 0.012 | | NM | 80CAS | 01 |
| 0.448 | 0.012 | D* | NM | 81CAS | 01 |
| U-235 (FC1) | | | | | |
| 22.8 | 1.9 | | NM | 80CAS | 01 |
| 22.8 | 1.9 | D* | NM | 81CAS | 01 |

TABLE W (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| U-238 (PC1) | | | | | |
| 0.444 | 0.016 | | NM | 80CAS | 01 |
| 0.444 | 0.016 | D* | NM | 81CAS | 01 |
| V (ppm) | | | | | |
| 42. | 4.2 | | FAA | 80LAN | 01 |
| 43. | | 34 | WXRF | 82MIL | 01 |
| 43.4 | 1.8 | | ITNA | 82OBR | 01 |
| 44. | 3. | | ITNA | 80GER | 01 |
| 45. | 2. | | ITNA | 83GLA | 01 |
| 46. | | 6 | AE+AF | 82GOL | 01 |
| 46. | 8.2 | | CPXRF | 80KIR | 01 |
| 46.9 | 2.5 | | ITNA | 80GAR | 01 |
| 48. | 7. | 6 | AE+AF | 82GOL | 01 |
| W (ppb) | | | | | |
| | 1500. | L* | WXRF | 82MIL | 01 |
| 600. | 200. | | ITNA | 80GER | 01 |
| 780. | 230. | | ITNA | 82OBR | 01 |
| 890. | 150. | | ITNA | 81JIN | 01 |
| 1000. | 300. | | ITNA | 79CAH | 01 |
| Y (ppm) | | | | | |
| 5.8 | 0.5 | | PAA | 80GER | 01 |
| 8.3 | 0.5 | | ICPES | 82CRO | 01 |
| 9.5 | | 34 | WXRF | 82MIL | 01 |
| Yb (ppm) | | | | | |
| | 2200. | L* | ITNA | 80TOU | 01 |
| | 2. | L* | WXRF | 82MIL | 01 |
| 0.9 | 0.01 | | ICPES | 82CRO | 01 |
| 0.98 | 0.08 | | ITNA | 80GER | 01 |
| 0.98 | 0.07 | | ITNA | 81JIN | 01 |
| 1.1 | 0.1 | 5 | ITNA | 80TOU | 01 |
| 1.2 | 0.1 | | ITNA | 79CAH | 01 |
| Zn (ppm) | | | | | |
| 24.3 | 4. | | AA | 79CAH | 01 |
| 27. | 6. | | ITNA | 79CAH | 01 |
| 28. | 3.7 | | CPXRF | 80KIR | 01 |
| 28. | | 34 | WXRF | 82MIL | 01 |
| 30. | 3. | | ITNA | 80KOS | 01 |
| 31. | 6. | | ITNA | 80GER | 01 |
| Zr (ppm) | | | | | |
| 47. | 6. | | ITNA | 80GER | 01 |
| 55. | | 34 | WXRF | 82MIL | 01 |
| 57. | 5. | | PAA | 80GER | 01 |

## TABLE X

### NBS SRM 1633—COLLECTED DATA

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Ag (ppb) | | | | | |
| | 400. | L* | PAA | 76CHA | 01 |
| | 4000. | L* | EXRF | 77GIA | 01 |
| | 1000. | L* | OES | 76WEW | 01 |
| | 300. | L* | ICPES | 81CHU | 01 |
| | 100. | D* | ITNA | 78RYA | 01 |
| | 600. | L* | IENA | 80GLA | 03 |
| | 100. | L* | ITNA | 77CHA | 01 |
| | 500. | L* | UU | 80HEN | 01 |
| | 400. | D* | PAA | 77CHA | 01 |
| 258. | 20. | | RTNA | 77NAD | 02 |
| 350. | | | AA | 76WEW | 01 |
| 1320. | 130. | | PAA | 74CHA | 01 |
| Al (%) | | | | | |
| 10.4 | 0.6 | * | ITNA | 78MAC | 01 |
| 10.96 | 0.402 | * | ITNA | 73SHE | 01 |
| 11.6 | | | ICPES | 80NAD | 01 |
| 11.7 | 2. | | XRF | 79SMI | 01 |
| 11.8 | 0.8 | | ITNA | 76BLO | 01 |
| 12. | 1. | | ITNA | 76OND | 01 |
| 12.1 | 0.5 | | ITNA | 76RAG | 01 |
| 12.2 | 0.5 | | 14NAA | 81WIL | 02 |
| 12.2 | 0.3 | | ITNA | 77MAE | 01 |
| 12.3 | 0.6 | D* | ITNA | 78RYA | 01 |
| 12.3 | | 35 | TCGS | 78GLA | 04 |
| 12.3 | 0.5 | | ITNA | 76WEW | 01 |
| 12.3 | 0.6 | | ITNA | 77CHA | 01 |
| 12.35 | 0.25 | | ITNA | 77ROW | 03 |
| 12.35 | 0.25 | | ITNA | 76STE | 05 |
| 12.4 | 0.7 | 35 | ITNA | 81GLA | 03 |
| 12.5 | | | ITNA | 75KLE | 01 |
| 12.5 | 0.3 | | ICPES | 80NAD | 01 |
| 12.6 | 0.4 | | ITNA | 73ABE | 01 |
| 12.6 | 0.2 | D* | TCGS | 80AND | 01 |
| 12.6 | 0.1 | 35 | ITNA | 81GLA | 02 |
| 12.6 | 0.2 | | TCGS | 79FAI | 01 |
| 12.6 | 0.7 | | AA | 76OND | 01 |
| 12.7 | 0.05 | | FAA | 77PIL | 01 |
| 12.7 | | | AA | 79SIL | 01 |
| 12.7 | | | UU | 80HEN | 01 |
| 12.7 | 0.5 | | ITNA | 75OND | 01 |
| 12.7 | | | OES | 80WAL | 01 |
| 12.7 | | | ITNA | 78WEA | 01 |
| 12.8 | 0.3 | | ITNA | 78LAU | 02 |
| 12.8 | | | ICPES | 80FLO | 01 |
| 12.99 | 0.47 | | ICPES | 81CHU | 01 |
| 13. | 2.6 | | OES | 76WEW | 01 |
| 13. | 0.2 | | TCGS | 79AND | 01 |
| 13.6 | 0.5 | | 14NAA | 81WIL | 01 |
| 14. | 1. | | AA | 80STO | 02 |
| 14. | | | OES | 78SUG | 01 |
| 14.1 | 2.8 | * | ITNA | 81WAN | 01 |
| 14.3 | 1 1 | * | ITNA | 78NAD | 02 |
| 14.3 | 1.1 | * | ITNA | 75NAD | 02 |
| As (ppm) | | | | | |
| 46. | | * | ITNA | 78KEL | 02 |
| 49. | 5. | * | ITNA | 76KUC | 01 |

TABLE X (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 50. | | *6 | SSMS | 78GUI | 01 |
| 54. | 1. | | IENA | 78WAN | 01 |
| 54. | 3. | | ITNA | 78MAC | 01 |
| 54. | | | ITNA | 75KLE | 01 |
| 55. | 10. | | ICPES | 81CHU | 01 |
| 55. | | | FAA | 78GUI | 01 |
| 55.8 | 1.4 | H | AE+AF | 77FEL | 01 |
| 56. | | | ICPES | 80FLO | 01 |
| 56. | 1. | H | FAE | 79FEL | 01 |
| 56.6 | 3.6 | | ITNA | 81WAN | 01 |
| 57. | 3. | 35 | NAA | 81GLA | 03 |
| 57. | | | ICPES | 82NYG | 01 |
| 57. | 4. | | ITNA | 75OND | 01 |
| 58. | 1. | 35 | RTNA | 78GLA | 02 |
| 58. | 4. | D* | NAA | 74OND | 01 |
| 58. | 4. | | FAA | 78HAY | 01 |
| 58. | 2. | | IENA | 76STE | 05 |
| 58. | 1. | | ITNA | 76BLO | 01 |
| 58.1 | 1.6 | | RTNA | 81GAL | 02 |
| 58.1 | 1.6 | | RTNA | 81GAL | 01 |
| 59. | 2. | 35 | VV | 81GLA | 04 |
| 59. | 4. | D* | ITNA | 78RYA | 01 |
| 59. | 3.5 | | HAA | 77SMI | 01 |
| 59. | 4. | | ITNA | 77CHA | 01 |
| 59. | | | ITNA | 78WEA | 01 |
| 59.1 | 4.8 | | IENA | 77ROW | 04 |
| 59.8 | 2. | | IENA | 77ROW | 03 |
| 60. | 3. | | GCMES | 75TAL | 01 |
| 60. | | | UU | 80HEN | 01 |
| 60. | 2.6 | D* | PAA | 77CHA | 01 |
| 60. | 2.6 | | NAA | 77JER | 01 |
| 60. | 2.6 | | PAA | 76CHA | 01 |
| 60.4 | 0.8 | 35 | IENA | 80GLA | 03 |
| 60.7 | 2.6 | | PAA | 74CHA | 01 |
| 61. | 5. | | ITNA | 73ABE | 01 |
| 61. | 4. | | ITNA | 76OND | 01 |
| 61. | 3. | | RTNA | 74ORV | 01 |
| 61.5 | 2.4 | | ITNA | 77ROW | 04 |
| 61.5 | 3. | | PAA | 75OND | 01 |
| 62. | | | XRF | 78CAM | 02 |
| 63. | 4. | | FAE | 80DSI | 01 |
| 63. | 4. | | PAA | 80SEG | 01 |
| 63. | 4. | 6 | PAA | 82SEG | 01 |
| 63. | 7. | | EXRF | 77GIA | 01 |
| 63. | 4. | 6 | PAA | 82SEG | 01 |
| 63.7 | 3.6 | | HAA | 82NAD | 01 |
| 64. | 2. | | ITNA | 78LAU | 02 |
| 64. | 4. | | ITNA | 76RAG | 01 |
| 64. | 1. | | PAA | 76KAT | 03 |
| 65. | 1. | | PAA | 76KAT | 02 |
| 66. | 1. | | XRF | 79SMI | 01 |
| 66.3 | 10.1 | | FAA | 82BEN | 01 |
| 67.6 | 0.6 | | ITNA | 75NAD | 02 |
| 68. | 6. | | ITNA | 78NAD | 02 |
| 68. | 12. | | 14NAA | 81WIL | 02 |
| 68. | 15. | | ITNA | 76WEW | 01 |
| 68. | 12. | | 14NAA | 81WIL | 01 |
| 69.5 | 7.6 | | ITNA | 73SHE | 01 |
| 72. | | *6 | SSMS | 78GUI | 01 |

TABLE X (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Au (ppb) | | | | | |
| | 30000. | L* | OES | 76WEW | 01 |
| | 8000. | L* | 14NAA | 81WIL | 01 |
| | 300. | L* | ICPES | 81CHU | 01 |
| | 500. | L* | UU | 80HEN | 01 |
| 2.75 | 0.2 | | RTNA | 77NAD | 02 |
| 4.84 | 0.13 | | RTNA | 77NAD | 01 |
| 8. | 2. | D* | ITNA | 78RYA | 01 |
| 8. | 2. | | ITNA | 77CHA | 01 |
| 1700. | | * | ITNA | 78WEA | 01 |
| B (ppm) | | | | | |
| 100. | | * | UU | 80HEN | 01 |
| 320. | | | COLOR | 79DAL | 01 |
| 340. | | | OES | 79DAL | 01 |
| 407. | | | ICPES | 80NAD | 01 |
| 433. | 4. | D* | TCGS | 80AND | 01 |
| 433. | 4. | | TCGS | 79FAI | 01 |
| 443. | 5. | | TCGS | 79AND | 01 |
| 450. | 20. | | ICPES | 82OWE | 01 |
| 490. | 14. | 6 | TCGS | 76GLA | 01 |
| 492. | 13. | 6 | TCGS | 76GLA | 01 |
| 497. | 14. | 6 | TCGS | 76GLA | 01 |
| 500. | 29. | | OES | 76WEW | 01 |
| Ba (ppm) | | | | | |
| 1800. | | * | XRF | 76WEW | 01 |
| 2100. | 100. | * | 14NAA | 81WIL | 01 |
| 2300. | 100. | | AA | 76OND | 01 |
| 2370. | | | ICPES | 80NAD | 01 |
| 2490. | | | ITNA | 75MIL | 01 |
| 2500. | 250. | | ITNA | 81WAN | 01 |
| 2500. | | | UU | 80HEN | 01 |
| 2500. | 300. | | ITNA | 76WEW | 01 |
| 2510. | 50. | | IENA | 77ROW | 04 |
| 2510. | 200. | | ITNA | 76OND | 01 |
| 2510. | 160. | | ITNA | 76RAG | 01 |
| 2520. | | | AA | 79SIL | 01 |
| 2540. | | | XRF | 78CAM | 02 |
| 2540. | 51. | | IENA | 76STE | 05 |
| 2540. | 50. | | IENA | 77ROW | 03 |
| 2550. | 110. | | 14NAA | 81WIL | 02 |
| 2550. | 30. | | ITNA | 77ROW | 04 |
| 2580. | 170. | | ITNA | 76STE | 05 |
| 2600. | 170. | 5 | IENA | 80GLA | 03 |
| 2600. | 160. | | PAA | 76CHA | 01 |
| 2600. | 300. | | ITNA | 78LAU | 02 |
| 2600. | 160. | D* | PAA | 77CHA | 01 |
| 2610. | 210. | | PAA | 74CHA | 01 |
| 2630. | 20. | | XRF | 79SMI | 01 |
| 2660. | 150. | | ITNA | 83GLA | 01 |
| 2670. | 85. | | EXRF | 77GIA | 01 |
| 2700. | | | ITNA | 78WEA | 01 |
| 2700. | 200. | | ITNA | 78NAD | 02 |
| 2700. | 200. | | ITNA | 75OND | 01 |
| 2700. | 200. | | ITNA | 75NAD | 02 |
| 2710. | 190. | | ITNA | 77CHA | 01 |
| 2710. | 190. | D* | ITNA | 78RYA | 01 |
| 2720. | 80. | 5 | IENA | 80GLA | 03 |

TABLE X (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 2734. | 167. | | ITNA | 73SHE | 01 |
| 2750. | 140. | 5 | IENA | 80GLA | 03 |
| 2780. | | | ITNA | 75KLE | 01 |
| 2800. | 100. | 35 | ITNA | 81GLA | 03 |
| 2800. | | | ICPES | 80FLO | 01 |
| 2800. | 100. | 9 | ITNA | 78LAU | 02 |
| 2800. | 200. | 35 | ITNA | 81GLA | 02 |
| 2840. | 180. | 35 | NAA | 81GLA | 04 |
| 2880. | 100. | | ITNA | 77MAE | 01 |
| 2900. | 120. | | FAA | 76OWE | 01 |
| 2900. | 200. | 5 | IENA | 80GLA | 03 |
| 3000. | 600. | | OES | 76WEW | 01 |
| 3200. | 400. | * | ITNA | 78MAC | 01 |
| 3400. | 400. | * | ITNA | 73ABE | 01 |
| Be (ppm) | | | | | |
| 5. | | * | UU | 80HEN | 01 |
| 10.1 | | *6 | FAA | 79GEL | 01 |
| 10.9 | | | ICPES | 80NAD | 01 |
| 11. | | | ICPES | 80FLO | 01 |
| 11. | | | OES | 78SUG | 01 |
| 12. | | | AA | 79SIL | 01 |
| 12. | 1. | 35 | FAA | 76GLA | 02 |
| 12. | | | AA | 76WEW | 01 |
| 12. | 0.8 | | FAA | 75OWE | 01 |
| 12.1 | | 6 | FAA | 79GEL | 01 |
| 12.3 | 0.3 | | FAA | 76OWE | 01 |
| 12.4 | 0.31 | | AA | 74RAI | 01 |
| 12.6 | 0.25 | | ICPES | 81CHU | 01 |
| 12.6 | | 6 | FAA | 79GEL | 01 |
| 12.6 | 0.5 | | AA | 76OND | 01 |
| 13.2 | | 6 | FAA | 79GEL | 01 |
| 13.5 | | 6 | FAA | 79GEL | 01 |
| 14. | 0.95 | * | OES | 76WEW | 01 |
| Bi (ppm) | | | | | |
| | 1. | L* | PAA | 76CHA | 01 |
| | 1. | D* | PAA | 77CHA | 01 |
| | 10. | L* | OES | 76WEW | 01 |
| 0.7 | | | UU | 80HEN | 01 |
| 1.08 | | | PAA | 74CHA | 01 |
| Br (ppm) | | | | | |
| | 10. | L* | IENA | 80GLA | 03 |
| 5.8 | 0.8 | 35 | IENA | 79GLA | 02 |
| 6. | 2. | | EXRF | 77GIA | 01 |
| 6. | | | ITNA | 75KLE | 01 |
| 6. | 1. | | ITNA | 78MAC | 01 |
| 6.4 | 0.2 | 35 | ITNA | 81GLA | 03 |
| 6.5 | 0.2 | 5 | IENA | 80GLA | 03 |
| 6.7 | 0.6 | | ITNA | 76RAG | 01 |
| 6.9 | 0.3 | 35 | NAA | 81GLA | 04 |
| 7. | 1. | | ITNA | 78LAU | 02 |
| 7.5 | 0.5 | | ITNA | 78NAD | 02 |
| 7.52 | 0.46 | | ITNA | 75NAD | 02 |
| 7.7 | 1.5 | | IENA | 76STE | 05 |
| 8.4 | 1.5 | | IENA | 77ROW | 03 |
| 9.2 | 0.6 | | ITNA | 77ROW | 04 |
| 9.2 | 0.8 | | IENA | 77ROW | 04 |
| 9.5 | | | XRF | 78CAM | 02 |

TABLE X (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 10. | | | UU | 80HEN | 01 |
| 11.2 | 3.5 | D* | ITNA | 78RYA | 01 |
| 11.2 | 3.5 | | ITNA | 77CHA | 01 |
| 12. | 4. | | ITNA | 73ABE | 01 |
| 12. | 4. | | ITNA | 75OND | 01 |
| 12. | | | ITNA | 78WEA | 01 |
| 12.1 | 1.5 | | ITNA | 73SHE | 01 |
| C (%) | | | | | |
| 3.05 | 0.05 | | CB | 79SIL | 01 |
| 3.3 | | | UU | 80HEN | 01 |
| 3.45 | 0.02 | | GRAV | 79SIL | 01 |
| Ca (%) | | | | | |
| 3.5 | | * | XRF | 76WEW | 01 |
| 3.8 | | *35 | TCGS | 78GLA | 04 |
| 3.92 | 0.28 | | PAA | 74CHA | 01 |
| 4.1 | 0.36 | | ITNA | 73SHE | 01 |
| 4.2 | | | UU | 80HEN | 01 |
| 4.2 | 0.2 | | ITNA | 76RAG | 01 |
| 4.21 | 0.09 | | ITNA | 78NAD | 02 |
| 4.21 | 0.09 | | ITNA | 75NAD | 02 |
| 4.3 | 0.3 | 35 | ITNA | 81GLA | 02 |
| 4.3 | | | AA | 79SIL | 01 |
| 4.3 | 0.2 | | AA | 76OND | 01 |
| 4.34 | | | ITNA | 75KLE | 01 |
| 4.4 | 0.18 | | 14NAA | 81WIL | 02 |
| 4.4 | 0.4 | D* | PAA | 77CHA | 01 |
| 4.4 | 0.4 | | PAA | 76CHA | 01 |
| 4.4 | 0.4 | | ITNA | 75OND | 01 |
| 4.5 | 0.6 | 35 | IENA | 80GLA | 03 |
| 4.5 | | | ICPES | 80FLO | 01 |
| 4.5 | 0.5 | D* | ITNA | 78RYA | 01 |
| 4.5 | 0.5 | | ITNA | 77CHA | 01 |
| 4.6 | 0.5 | | ITNA | 78LAU | 02 |
| 4.6 | | | EXRF | 78WEG | 01 |
| 4.62 | 0.06 | | ICPES | 80NAD | 01 |
| 4.62 | 0.15 | | EXRF | 78PEL | 01 |
| 4.65 | 0.15 | | ICPES | 81CHU | 01 |
| 4.69 | 0.14 | | ITNA | 76STE | 05 |
| 4.69 | 0.14 | | ITNA | 77ROW | 03 |
| 4.7 | | | OES | 80WAL | 01 |
| 4.7 | 0.3 | | ITNA | 77MAE | 01 |
| 4.73 | 0.42 | | ITNA | 81WAN | 01 |
| 4.75 | 0.08 | D* | TCGS | 80AND | 01 |
| 4.75 | 0.08 | | TCGS | 79FAI | 01 |
| 4.8 | | | ICPES | 80NAD | 01 |
| 4.8 | 0.96 | | OES | 76WEW | 01 |
| 4.9 | 0.2 | | AA | 80STO | 02 |
| 4.9 | 0.2 | | TCGS | 79AND | 01 |
| 5. | 1.1 | | ITNA | 76OND | 01 |
| 5.04 | | | XRF | 78CAM | 02 |
| 5.09 | 0.56 | | 14NAA | 77VAN | 01 |
| 5.1 | 0.05 | | PAA | 76KAT | 03 |
| 5.1 | 0.6 | | ITNA | 76WEW | 01 |
| 5.1 | 0.03 | | PAA | 76KAT | 02 |
| 5.11 | 0.13 | | XRF | 79SMI | 01 |
| 5.3 | 0.1 | | EXRF | 77NIE | 01 |
| 5.3 | 0.5 | | PAA | 75OND | 01 |

TABLE X (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Cd (ppm) | | | | | |
| | 4. | L* | EXRF | 77GIA | 01 |
| | 5. | L* | OES | 76WEW | 01 |
| 0.93 | | * | POT | 82CHR | 01 |
| 1. | | * | ITNA | 76WEW | 01 |
| 1.2 | 0.2 | | PAA | 80SEG | 01 |
| 1.2 | 0.04 | 7 | AA | 73TAL | 01 |
| 1.2 | 0.1 | 6 | PAA | 82SEG | 01 |
| 1.2 | 0.04 | | FAA | 74TAL | 01 |
| 1.2 | 0.2 | 6 | PAA | 82SEG | 01 |
| 1.3 | 0.25 | | FAA | 76OWE | 01 |
| 1.4 | 0.16 | | TCGS | 79AND | 01 |
| 1.43 | 0.07 | | RTNA | 81GAL | 01 |
| 1.43 | 0.04 | | RTNA | 74ORV | 01 |
| 1.43 | | | FAA | 78GUI | 01 |
| 1.43 | 0.07 | | RTNA | 81GAL | 02 |
| 1.45 | 0.04 | | AA | 75EPS | 01 |
| 1.46 | | | AE+AF | 77FEL | 01 |
| 1.46 | 0.05 | | AA | 74RAI | 01 |
| 1.5 | 0.09 | 7 | AA | 73TAL | 01 |
| 1.5 | 0.1 | | NAA | 77JER | 01 |
| 1.5 | 0.07 | D* | TCGS | 80AND | 01 |
| 1.5 | 0.5 | | ICPES | 81CHU | 01 |
| 1.5 | 0.1 | | PAA | 76CHA | 01 |
| 1.5 | 0.07 | | TCGS | 79FAI | 01 |
| 1.5 | 0.1 | D* | PAA | 77CHA | 01 |
| 1.5 | | | POL | 74MAI | 01 |
| 1.5 | 0.15 | | FAA | 74RAI | 01 |
| 1.5 | 0.09 | | FAA | 74TAL | 01 |
| 1.52 | 0.08 | | AF | 75EPS | 01 |
| 1.52 | 0.07 | | PAA | 74CHA | 01 |
| 1.53 | | | AA | 76WEW | 01 |
| 1.55 | | | FAA | 79SIL | 01 |
| 1.6 | 0.15 | 7 | AE+AF | 73TAL | 01 |
| 1.6 | 0.2 | 6 | TCGS | 76GLA | 01 |
| 1.6 | 0.5 | | ICPES | 80EPS | 03 |
| 1.6 | 0.15 | | FAE | 74TAL | 01 |
| 1.63 | 0.07 | 8 | SSMS | 80KOP | 01 |
| 1.69 | | | AA | 78GEL | 01 |
| 1.7 | 0.2 | | AA | 76OND | 01 |
| 1.85 | | * | IDMS | 75KLE | 01 |
| 15. | | * | UU | 80HEN | 01 |
| Ce (ppm) | | | | | |
| 125. | | * | UU | 80HEN | 01 |
| 129. | 10. | * | ITNA | 73SHE | 01 |
| 136. | 5. | | 14NAA | 81WIL | 01 |
| 136. | 8. | | 14NAA | 81WIL | 02 |
| 140. | | | ICPES | 80FLO | 01 |
| 140. | 10. | D* | ITNA | 78RYA | 01 |
| 140. | 10. | | ITNA | 77CHA | 01 |
| 141. | 7. | | ITNA | 81WAN | 01 |
| 145. | 5. | | ITNA | 78LAU | 02 |
| 145. | 6. | | ITNA | 76WEW | 01 |
| 146. | | | ITNA | 82GLA | 02 |
| 146. | 15. | | ITNA | 75OND | 01 |
| 146. | 17. | | ITNA | 76OND | 01 |
| 148. | 7. | 35 | ITNA | 81GLA | 02 |
| 148. | 6. | | ITNA | 76RAG | 01 |

TABLE X (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 149. | 7. | 35 | NAA | 81GLA | 04 |
| 149. | 4. | | XRF | 79SMI | 01 |
| 149.6 | 2. | D* | ITNA | 77ROW | 04 |
| 149.6 | 2. | | ITNA | 77ROW | 03 |
| 150.6 | 3.3 | | IENA | 77ROW | 04 |
| 152. | 10. | | PAA | 76CHA | 01 |
| 152. | 10. | D* | PAA | 77CHA | 01 |
| 153. | 3. | 35 | ITNA | 81GLA | 03 |
| 153. | 2. | | PAA | 76KAT | 03 |
| 153. | 1. | | PAA | 76KAT | 02 |
| 154. | 8. | 35 | IENA | 80GLA | 03 |
| 154. | | | XRF | 78CAM | 02 |
| 157. | 3.2 | | ICPES | 81CHU | 01 |
| 160. | 23. | | EXRF | 77GIA | 01 |
| 161. | 35. | | ITNA | 75NAD | 02 |
| 161. | 35. | | ITNA | 78NAD | 02 |
| 169. | | * | ITNA | 75MIL | 01 |
| 176. | 4. | * | ITNA | 78MAC | 01 |
| 200. | 100. | * | OES | 76WEW | 01 |
| 210. | 34. | * | SSMS | 78SUG | 02 |
| Cl (ppm) | | | | | |
| | 500. | | ITNA | 73ABE | 01 |
| 19.6 | 0.1 | | PAA | 74CHA | 01 |
| 20. | 2. | | ITNA | 78NAD | 02 |
| 20. | 2. | | ITNA | 75NAD | 02 |
| 25. | 7. | D* | PAA | 77CHA | 01 |
| 25. | 7. | | PAA | 76CHA | 01 |
| 32. | 10. | D* | ITNA | 78RYA | 01 |
| 32. | 10. | | ITNA | 77CHA | 01 |
| 40. | 8. | | ITNA | 78MAC | 01 |
| 42. | | | ITNA | 78WEA | 01 |
| 42. | 10. | | ITNA | 75OND | 01 |
| 50. | | | UU | 80HEN | 01 |
| 52. | 15. | | ITNA | 81WAN | 01 |
| 56. | | 35 | ITNA | 81GLA | 03 |
| 58. | 9. | | ITNA | 77MAE | 01 |
| 185. | 44. | * | ITNA | 73SHE | 01 |
| Co (ppm) | | | | | |
| | 52. | L* | XRF | 78CAM | 02 |
| | 150. | L* | XRF | 81COH | 02 |
| | 130. | L* | EXRF | 77GIA | 01 |
| 26. | | * | ICPES | 80NAD | 01 |
| 32. | 2. | * | AA | 77MIT | 01 |
| 35. | 2. | | ITNA | 76KUC | 01 |
| 35.4 | 2.8 | | PAA | 74CHA | 01 |
| 36.2 | 1.1 | | ITNA | 76BLO | 01 |
| 36.7 | 3.9 | | ITNA | 75NAD | 02 |
| 37. | 4. | | ITNA | 78NAD | 02 |
| 38. | | | ITNA | 78WEA | 01 |
| 38. | 2. | 35 | IENA | 80GLA | 03 |
| 38. | 0.96 | | OES | 76WEW | 01 |
| 38. | 2. | | ITNA | 78MAC | 01 |
| 38.6 | 3.7 | | ITNA | 73SHE | 01 |
| 39. | | | AA | 76WEW | 01 |
| 39.4 | 1.2 | | ITNA | 76RAG | 01 |
| 39.8 | 0.9 | | ITNA | 81WAN | 01 |
| 40. | 2. | 35 | NAA | 81GLA | 04 |
| 40. | 2. | | PAA | 76CHA | 01 |

TABLE X (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 40. | 2. | | ITNA | 73ABE | 01 |
| 40. | 2. | | ITNA | 76OND | 01 |
| 40. | 2. | D* | PAA | 77CHA | 01 |
| 40. | 4. | | PAA | 76OWE | 01 |
| 40.1 | 0.6 | | ITNA | 83GLA | 01 |
| 40.3 | 0.4 | | ITNA | 77ROW | 03 |
| 40.3 | 0.4 | D* | ITNA | 77ROW | 04 |
| 41. | | | ICPES | 80FLO | 01 |
| 41. | 1. | | ITNA | 78LAU | 02 |
| 41. | 3. | | ITNA | 76WEW | 01 |
| 41. | 2. | 35 | ITNA | 81GLA | 03 |
| 41. | 0.6 | | IENA | 77ROW | 04 |
| 41. | 1.2 | | ICPES | 81CHU | 01 |
| 41. | 1. | 35 | ITNA | 81GLA | 02 |
| 41.5 | 1.2 | | ITNA | 75OND | 01 |
| 42. | 1.6 | D* | ITNA | 78RYA | 01 |
| 42. | | | FAA | 79SIL | 01 |
| 42. | 6. | | AA | 76OND | 01 |
| 42. | | | ITNA | 75MIL | 01 |
| 42. | 3 | | PAA | 76KAT | 02 |
| 42. | 1.6 | | ITNA | 77CHA | 01 |
| 42. | 5. | | PAA | 76KAT | 03 |
| 45. | 16. | | 14NAA | 81WIL | 01 |
| 45. | 16. | | 14NAA | 81WIL | 02 |
| 46. | | | ITNA | 75KLE | 01 |
| 50. | | * | UU | 80HEN | 01 |
| Cr (ppm) | | | | | |
| | 150. | L* | 14NAA | 81WIL | 02 |
| | 150. | L* | 14NAA | 81WIL | 01 |
| 112. | | | XRF | 78CAM | 02 |
| 113. | 1.5 | | ITNA | 75NAD | 02 |
| 113. | 2. | | ITNA | 78NAD | 02 |
| 113. | | | FAA | 78GUI | 01 |
| 114. | | | ICPES | 80NAD | 01 |
| 117. | 7. | | ITNA | 76RAG | 01 |
| 117. | | 6 | SSMS | 78GUI | 01 |
| 118. | 8. | | ITNA | 76WEW | 01 |
| 118. | 6. | | ITNA | 76OND | 01 |
| 120. | 5. | | ITNA | 78MAC | 01 |
| 120. | | | OES | 78SUG | 01 |
| 120. | 4. | | AA | 76OND | 01 |
| 122. | 12. | | ITNA | 73SHE | 01 |
| 123. | | | ICPES | 80FLO | 01 |
| 124. | 14. | | XRF | 79SMI | 01 |
| 126. | 11. | | ITNA | 76BLO | 01 |
| 127. | 6. | D* | NAA | 74OND | 01 |
| 127. | 6. | | ITNA | 75OND | 01 |
| 128. | 5. | 35 | ITNA | 81GLA | 02 |
| 128. | | | AA | 79SIL | 01 |
| 128. | 5. | 35 | ITNA | 81GLA | 04 |
| 128. | | | ITNA | 78WEA | 01 |
| 128.5 | 8.5 | | AA | 77MIT | 01 |
| 129. | 3.9 | | ICPES | 81CHU | 01 |
| 129.2 | 2.7 | | ITNA | 77ROW | 03 |
| 129.2 | 2.7 | D* | ITNA | 77ROW | 04 |
| 130. | 4. | | ITNA | 83GLA | 01 |
| 130. | | | UU | 80HEN | 01 |
| 130. | | | AA | 76WEW | 01 |
| 130. | 5. | 9 | ITNA | 78LAU | 02 |
| 131. | 8. | | ITNA | 73ABE | 01 |

TABLE X (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 131. | 6.1 | | PAA | 74CHA | 01 |
| 131. | 8. | | EXRF | 78PEL | 01 |
| 131. | 6. | | PAA | 76CHA | 01 |
| 131. | | | EXRF | 78WEG | 01 |
| 131. | 6. | D* | PAA | 77CHA | 01 |
| 131. | 9. | | ITNA | 76KUC | 01 |
| 131.7 | 4.6 | | RTNA | 81GAL | 01 |
| 131.7 | 4.6 | | RTNA | 81GAL | 02 |
| 132. | 3.3 | | AA | 74RAI | 01 |
| 132. | 10. | | FAA | 76OWE | 01 |
| 132.3 | 0.35 | | RTNA | 74MCC | 01 |
| 134. | 9. | 35 | ITNA | 81GLA | 03 |
| 135. | | | AA | 78WEG | 01 |
| 135. | 14. | | IENA | 77ROW | 04 |
| 135. | 6. | | ITNA | 77CHA | 01 |
| 135. | | | AA | 78GUI | 01 |
| 135. | 6. | D* | ITNA | 78RYA | 01 |
| 137. | 16. | | ITNA | 81WAN | 01 |
| 138. | | | ITNA | 75KLE | 01 |
| 140. | 15. | | ITNA | 78LAU | 02 |
| 142. | 13. | | PAA | 76KAT | 03 |
| 142. | 9. | | PAA | 76KAT | 02 |
| 150. | 13. | | OES | 76WEW | 01 |
| 159. | 115. | * | EXRF | 77GIA | 01 |
| 175. | | *6 | SSMS | 78GUI | 01 |
| 180. | | * | ITNA | 75MIL | 01 |
| Cs (ppm) | | | | | |
| | 10. | L* | EXRF | 77GIA | 01 |
| 5.8 | 1.4 | * | ITNA | 78NAD | 02 |
| 5.81 | 1.4 | * | ITNA | 75NAD | 02 |
| 7.3 | 1. | | ITNA | 78LAU | 02 |
| 7.7 | 1.3 | | ITNA | 76WEW | 01 |
| 8. | 1. | | PAA | 76CHA | 01 |
| 8. | 1. | D* | PAA | 77CHA | 01 |
| 8.1 | 0.5 | 9 | ITNA | 78LAU | 02 |
| 8.2 | 0.4 | | ITNA | 83GLA | 01 |
| 8.2 | 0.9 | | IENA | 76STE | 05 |
| 8.2 | 0.5 | | ITNA | 76OND | 01 |
| 8.3 | 0.4 | 35 | ITNA | 81GLA | 02 |
| 8.3 | 1. | | ITNA | 77CHA | 01 |
| 8.3 | 0.9 | | IENA | 77ROW | 03 |
| 8.3 | 1. | D* | ITNA | 78RYA | 01 |
| 8.4 | 0.5 | | ITNA | 77ROW | 04 |
| 8.42 | 0.22 | | IENA | 77ROW | 04 |
| 8.5 | 0.5 | | ITNA | 78MAC | 01 |
| 8.6 | | | ITNA | 78WEA | 01 |
| 8.6 | 1.1 | | ITNA | 75OND | 01 |
| 8.6 | 0.8 | | ITNA | 76RAG | 01 |
| 8.7 | 0.3 | 35 | IENA | 80GLA | 03 |
| 8.7 | 0.7 | 35 | NAA | 81GLA | 04 |
| 8.8 | 0.4 | 35 | ITNA | 81GLA | 03 |
| 8.9 | 0.8 | | ITNA | 81WAN | 01 |
| 9.4 | | | ITNA | 75MIL | 01 |
| 9.9 | 0.8 | | ITNA | 73ABE | 01 |
| 10. | | | UU | 80HEN | 01 |
| 10. | 1. | | 14NAA | 81WIL | 02 |
| 13.8 | 1.4 | * | ITNA | 73SHE | 01 |
| 0.63 | 0.06 | * | PAA | 74CHA | 01 |

TABLE X (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Cu (ppm) | | | | | |
| | 300. | L* | ITNA | 73ABE | 01 |
| 70.2 | 1.8 | * | AA | 77MIT | 01 |
| 110. | 11. | * | OES | 76WEW | 01 |
| 115. | 8. | | ITNA | 77ROW | 03 |
| 115. | 8. | | ITNA | 76STE | 05 |
| 119. | 5. | | AA | 76OND | 01 |
| 120. | | | UU | 80HEN | 01 |
| 120. | | | ICPES | 80FLO | 01 |
| 121. | | | AA | 79SIL | 01 |
| 123. | | | EXRF | 78WEG | 01 |
| 124. | | | XRF | 78CAM | 02 |
| 124. | 19. | | FAA | 76OWE | 01 |
| 125. | | | AA | 78GUI | 01 |
| 125. | 10. | | ITNA | 77CHA | 01 |
| 125. | 13. | | EXRF | 78PEL | 01 |
| 125. | 10. | D* | ITNA | 78RYA | 01 |
| 127. | | | AA | 78GEL | 01 |
| 128. | 3.9 | | ICPES | 81CHU | 01 |
| 129. | | | AA | 78WEG | 01 |
| 129. | 5. | 8 | SSMS | 80KOP | 01 |
| 129. | | | AA | 76WEW | 01 |
| 130. | 5. | | AA | 80STO | 02 |
| 130. | 2.2 | | AA | 74RAI | 01 |
| 131. | | 6 | SSMS | 78GUI | 01 |
| 131. | | | AE+AF | 77FEL | 01 |
| 131. | | | FAA | 78GUI | 01 |
| 133. | | | XRF | 75KLE | 01 |
| 133. | 4. | | EXRF | 77GIA | 01 |
| 134. | 11. | 6 | PAA | 82SEG | 01 |
| 135. | 3. | | XRF | 79SMI | 01 |
| 136. | | | ICPES | 80NAD | 01 |
| 136. | 6. | 35 | RTNA | 77GLA | 01 |
| 137. | 7. | | ITNA | 76BLO | 01 |
| 140. | 10. | | XRF | 81COH | 02 |
| 140. | 20. | 6 | PAA | 82SEG | 01 |
| 140. | 20. | | PAA | 80SEG | 01 |
| 142. | 9. | | ITNA | 73SHE | 01 |
| 145. | | *6 | SSMS | 78GUI | 01 |
| 198. | 61. | * | ITNA | 81WAN | 01 |
| Dy (ppm) | | | | | |
| | 30. | L* | OES | 76WEW | 01 |
| 7.6 | 2.4 | * | ITNA | 73SHE | 01 |
| 9. | 2. | | ITNA | 78MAC | 01 |
| 9.4 | 0.5 | | ITNA | 76STE | 05 |
| 9.4 | 0.5 | | ITNA | 77ROW | 03 |
| 10.2 | | | ITNA | 75MIL | 01 |
| 10.2 | | 35 | ITNA | 81GLA | 04 |
| 10.3 | 0.4 | 35 | ITNA | 81GLA | 02 |
| 10.9 | | | ITNA | 75NAD | 02 |
| 10.9 | | | ITNA | 78NAD | 02 |
| 12.1 | 0.6 | | ITNA | 76OND | 01 |
| 19. | 3. | * | SSMS | 78SUG | 02 |
| Er (ppm) | | | | | |
| | 100. | L* | OES | 76WEW | 01 |
| | 300. | L* | OES | 76WEW | 01 |
| 11. | 2. | | SSMS | 78SUG | 02 |

TABLE X (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Eu (ppm) | | | | | |
| 1.9 | 0.2 | * | ITNA | 76OND | 01 |
| 2. | 2. | *35 | IENA | 80GLA | 03 |
| 2. | | * | ICPES | 80FLO | 01 |
| 2.3 | 0.1 | | ITNA | 73ABE | 01 |
| 2.39 | 0.11 | | ITNA | 76RAG | 01 |
| 2.42 | 0.16 | | ITNA | 73SHE | 01 |
| 2.44 | 0.19 | | ITNA | 76STE | 05 |
| 2.49 | 0.15 | 35 | ITNA | 81GLA | 02 |
| 2.5 | 0.4 | | ITNA | 75OND | 01 |
| 2.5 | 0.16 | 35 | ITNA | 81GLA | 04 |
| 2.5 | | | ITNA | 78WEA | 01 |
| 2.56 | 0.07 | | ITNA | 83GLA | 01 |
| 2.57 | 0.19 | | ITNA | 77ROW | 03 |
| 2.6 | 0.2 | | ITNA | 81WAN | 01 |
| 2.6 | 0.2 | | ITNA | 76WEW | 01 |
| 2.62 | 0.05 | | ITNA | 78NAD | 02 |
| 2.62 | 0.05 | | ITNA | 75NAD | 02 |
| 2.69 | 0.09 | | ITNA | 77ROW | 04 |
| 2.7 | 0.1 | | ITNA | 78LAU | 02 |
| 2.79 | | | ITNA | 82GLA | 02 |
| 2.8 | 0.13 | | OES | 76WEW | 01 |
| 2.86 | | | ITNA | 75KLE | 01 |
| 2.9 | 0.2 | 35 | ITNA | 81GLA | 03 |
| 3. | 0.15 | | ICPES | 81CHU | 01 |
| 3.1 | | | ITNA | 75MIL | 01 |
| 5.3 | 1.2 | * | SSMS | 78SUG | 02 |
| F (ppm) | | | | | |
| 10. | | | UU | 80HEN | 01 |
| 20. | | | AA | 76WEW | 01 |
| Fe (%) | | | | | |
| 4.23 | 0.3 | * | PAA | 76KAT | 03 |
| 4.24 | 0.19 | * | PAA | 76KAT | 02 |
| 4.4 | | * | AA | 78GUI | 01 |
| 5.278 | 0.56 | * | ITNA | 73SHE | 01 |
| 5.6 | 2.8 | | OES | 76WEW | 01 |
| 5.6 | 0.2 | | ITNA | 76WEW | 01 |
| 5.7 | 0.3 | | ITNA | 76KUC | 01 |
| 5.8 | 0.3 | 5 | IENA | 80GLA | 03 |
| 5.8 | | | OES | 78SUG | 01 |
| 5.8 | | | AA | 78WEG | 01 |
| 5.9 | 0.2 | 5 | IENA | 80GLA | 03 |
| 5.91 | 0.16 | | IENA | 77ROW | 04 |
| 5.94 | | | XRF | 78CAM | 02 |
| 5.96 | 0.16 | | XRF | 79SMI | 01 |
| 6. | 0.3 | | ITNA | 76OND | 01 |
| 6. | | | ICPES | 80FLO | 01 |
| 6. | | | XRF | 76WEW | 01 |
| 6. | 0.2 | | ICPES | 80EPS | 03 |
| 6. | 0.4 | | AA | 79WEG | 01 |
| 6.03 | 0.16 | | ITNA | 81WAN | 01 |
| 6.08 | 0.52 | | PAA | 74CHA | 01 |
| 6.09 | 0.03 | | ITNA | 83GLA | 01 |
| 6.1 | 0.3 | 35 | NAA | 81GLA | 04 |
| 6.1 | 0.1 | D* | TCGS | 80AND | 01 |
| 6.1 | 0.2 | | PAA | 76CHA | 01 |
| 6.1 | 0.1 | | TCGS | 79FAI | 01 |

TABLE X (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 6.1 | 0.2 | D* | PAA | 77CHA | 01 |
| 6.16 | 0.3 | | EXRF | 78PEL | 01 |
| 6.17 | 0.41 | | ITNA | 75NAD | 02 |
| 6.17 | 0.41 | | ITNA | 78NAD | 02 |
| 6.198 | 0.102 | | AA | 77MIT | 01 |
| 6.2 | 0.3 | D* | NAA | 74OND | 01 |
| 6.2 | 0.04 | | ICPES | 80NAD | 01 |
| 6.2 | | | EXRF | 78WEG | 01 |
| 6.2 | | | OES | 80WAL | 01 |
| 6.2 | 0.1 | | AA | 76OND | 01 |
| 6.2 | 0.4 | D* | ITNA | 78RYA | 01 |
| 6.2 | 0.3 | | ITNA | 75OND | 01 |
| 6.2 | 0.05 | D* | ITNA | 77ROW | 04 |
| 6.2 | 0.4 | | ITNA | 77CHA | 01 |
| 6.2 | 0.6 | | XRF | 81COH | 02 |
| 6.2 | 0.0 | | ITNA | 77ROW | 03 |
| 6.2 | 0.1 | | EXRF | 77NIE | 01 |
| 6.22 | 0.08 | | TCGS | 79AND | 01 |
| 6.22 | 0.48 | | EXRF | 77GIA | 01 |
| 6.23 | 0.1 | | ITNA | 78LAU | 02 |
| 6.23 | 0.14 | 35 | ITNA | 81GLA | 02 |
| 6.3 | 0.1 | | ITNA | 78MAC | 01 |
| 6.3 | 0.4 | 35 | ITNA | 81GLA | 03 |
| 6.32 | | | ICPES | 80NAD | 01 |
| 6.35 | | | ITNA | 78WEA | 01 |
| 6.37 | | | ITNA | 75KLE | 01 |
| 6.4 | 0.15 | | 14NAA | 81WIL | 02 |
| 6.4 | | | AA | 79SIL | 01 |
| 6.46 | 0.14 | | ICPES | 81CHU | 01 |
| 6.5 | | | UU | 80HEN | 01 |
| 6.51 | 0.31 | | ITNA | 73ABE | 01 |
| 6.69 | | | ITNA | 75MIL | 01 |
| 6.7 | | 35 | TCGS | 78GLA | 04 |
| 6.8 | 0.03 | * | ITNA | 76RAG | 01 |
| 6.8 | 0.2 | * | AA | 80STO | 02 |
| 6.95 | 0 15 | * | 14NAA | 81WIL | 01 |
| 7. | | * | AA | 76WEW | 01 |
| Ga (ppm) | | | | | |
| 34.3 | 1.9 | | ITNA | 81WAN | 01 |
| 37. | 2. | | IENA | 78WAN | 01 |
| 38.3 | 6.3 | | ITNA | 73SHE | 01 |
| 40. | 1. | | XRF | 79SMI | 01 |
| 40.3 | 2. | 5 | IENA | 76STE | 05 |
| 40.7 | 1.2 | | IENA | 77ROW | 03 |
| 40.7 | 1.2 | 5 | IENA | 76STE | 05 |
| 41. | 1. | 35 | IENA | 81GLA | 04 |
| 41. | 7. | | EXRF | 77GIA | 01 |
| 43. | 1. | 35 | IENA | 80GLA | 03 |
| 43. | 1. | 35 | IENA | 81GLA | 03 |
| 45. | 7. | | ITNA | 76OND | 01 |
| 48. | 6. | | COLOR | 79LIK | 01 |
| 49. | | | XRF | 75KLE | 01 |
| 50. | | | UU | 80HEN | 01 |
| 58. | 10. | * | FAA | 76OWE | 01 |
| 68. | 14. | * | OES | 76WEW | 01 |
| 72. | | * | ICPES | 80FLO | 01 |

TABLE X (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Gd (ppm) | | | | | |
| | 100. | L* | OES | 76WEW | 01 |
| 11. | | | ITNA | 75MIL | 01 |
| 11.4 | 0.2 | | TCGS | 79FAI | 01 |
| 11.7 | 0.4 | | TCGS | 79AND | 01 |
| 12.1 | 0.36 | | ICPES | 81CHU | 01 |
| 17.5 | 0.3 | * | TCGS | 80AND | 01 |
| 23. | 4. | * | SSMS | 78SUG | 02 |
| Ge (ppm) | | | | | |
| 19. | 1. | | XRF | 79SMI | 01 |
| 20. | | | UU | 80HEN | 01 |
| 25. | 1.4 | | OES | 76WEW | 01 |
| 26. | 5. | | EXRF | 77GIA | 01 |
| 476. | 166. | * | ITNA | 73SHE | 01 |
| H (ppm) | | | | | |
| 1000. | | | UU | 80HEN | 01 |
| 1200. | 400. | | TCGS | 79AND | 01 |
| H2O- (%) | | | | | |
| 0.03 | | | UU | 80HEN | 01 |
| H2O-T (%) | | | | | |
| 0.17 | | | FD | 80KHA | 02 |
| H2SO4 (ppm) | | | | | |
| | 1000. | L* | UU | 80HEN | 01 |
| Hf (ppm) | | | | | |
| | 17. | L* | 14NAA | 81WIL | 01 |
| 6.5 | 0.7 | | ITNA | 76WEW | 01 |
| 6.7 | 0.3 | | IENA | 77ROW | 03 |
| 6.7 | 0.3 | D* | IENA | 77ROW | 04 |
| 7. | 0.4 | | ITNA | 77ROW | 04 |
| 7.2 | 0.6 | | ITNA | 76RAG | 01 |
| 7.4 | 0.5 | | ITNA | 78LAU | 02 |
| 7.5 | 0.5 | | ITNA | 77CHA | 01 |
| 7.5 | | | ITNA | 78NAD | 02 |
| 7.5 | 0.5 | D* | ITNA | 78RYA | 01 |
| 7.5 | 0.4 | | ITNA | 78MAC | 01 |
| 7.52 | 0.02 | | ITNA | 75NAD | 02 |
| 7.6 | 0.2 | | ITNA | 83GLA | 01 |
| 7.62 | 0.56 | | ITNA | 73SHE | 01 |
| 7.7 | 0.1 | | ITNA | 81WAN | 01 |
| 7.9 | | | ITNA | 78WEA | 01 |
| 7.9 | 0.4 | | ITNA | 75OND | 01 |
| 8. | 0.4 | 35 | NAA | 81GLA | 04 |
| 8. | 0.4 | 35 | ITNA | 81GLA | 02 |
| 8.1 | 0.1 | 35 | IENA | 80GLA | 03 |
| 8.2 | 0.8 | | ITNA | 73ABE | 01 |
| 8.2 | 0.8 | | ITNA | 76OND | 01 |
| 8.2 | | | ITNA | 75MIL | 01 |
| 10. | 2. | *35 | ITNA | 81GLA | 03 |

TABLE X (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 10. | | * | UU | 80HEN | 01 |
| 10.8 | | * | ITNA | 75KLE | 01 |
| Hg (ppb) | | | | | |
| | 8000. | L* | 14NAA | 81WIL | 01 |
| | 12000. | L* | EXRF | 77GIA | 01 |
| | 400. | L* | ITNA | 76BLO | 01 |
| | 500. | L* | ITNA | 73ABE | 01 |
| | 200. | L* | ITNA | 78NAD | 02 |
| | 200. | L* | ITNA | 75NAD | 02 |
| 100. | | | UU | 80HEN | 01 |
| 119. | 2. | | CVAA | 80NAD | 01 |
| 127. | 3. | | CVAA | 75KLE | 01 |
| 130. | 30. | | NAA | 77JER | 01 |
| 130. | 30. | D* | PAA | 77CHA | 01 |
| 130. | 30. | | PAA | 76CHA | 01 |
| 134. | 4. | | CVAA | 74RAI | 01 |
| 135. | 10. | | PAA | 74CHA | 01 |
| 137. | 15. | | RTNA | 81GAL | 01 |
| 137. | 15. | | RTNA | 81GAL | 02 |
| 141. | 12. | | FAA | 77GLA | 03 |
| 145. | | | ITNA | 78WEA | 01 |
| 145. | 6. | | RTNA | 74ORV | 01 |
| 160. | 40. | D* | ITNA | 78RYA | 01 |
| 160. | 40. | | ITNA | 77CHA | 01 |
| 170. | 20. | 6 | PAA | 82SEG | 01 |
| 200. | 20. | * | PAA | 80SEG | 01 |
| 200. | 100. | *6 | PAA | 82SEG | 01 |
| 550. | | * | XRF | 76WEW | 01 |
| 3700. | 1100. | * | ITNA | 73SHE | 01 |
| 11000. | | * | XRF | 78CAM | 02 |
| Ho (ppm) | | | | | |
| | 10. | L* | OES | 76WEW | 01 |
| 1.94 | 0.13 | | IENA | 77ROW | 03 |
| 1.94 | 0.13 | | IENA | 76STE | 05 |
| 3.6 | 0.8 | | SSMS | 78SUG | 02 |
| I (ppm) | | | | | |
| | 0.5 | L* | UU | 80HEN | 01 |
| | 6. | L* | EXRF | 77GIA | 01 |
| 2. | 1.2 | | ITNA | 77MAE | 01 |
| 2.8 | 1. | | PAA | 77CHA | 01 |
| 2.9 | 1.2 | | PAA | 75OND | 01 |
| 2.9 | | | ITNA | 78WEA | 01 |
| 3. | 1. | D* | ITNA | 78RYA | 01 |
| 3. | 1. | | ITNA | 77CHA | 01 |
| In (ppb) | | | | | |
| | 500. | L* | UU | 80HEN | 01 |
| 118. | 4. | 5 | IENA | 76STE | 05 |
| 128. | 8. | | IENA | 77ROW | 03 |
| 128. | 8. | 5 | IENA | 76STE | 05 |
| 156. | 35. | | ITNA | 73SHE | 01 |
| 160. | 20. | | ITNA | 81WAN | 01 |
| 270. | 140. | | ITNA | 76RAG | 01 |
| 280. | 30. | | PAA | 74CHA | 01 |

TABLE X (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 290. | 60. | | PAA | 76CHA | 01 |
| 290. | 60. | D* | PAA | 77CHA | 01 |
| 320. | 80. | D* | ITNA | 78RYA | 01 |
| 320. | 100. | | ITNA | 75OND | 01 |
| 320. | 80. | | ITNA | 77CHA | 01 |
| 3000. | 2000. | * | EXRF | 77GIA | 01 |
| Ir (ppb) | | | | | |
| | 200. | L* | UU | 80HEN | 01 |
| 15.6 | 2.4 | | RTNA | 77NAD | 02 |
| 250. | 80. | | ITNA | 77CHA | 01 |
| 250. | 80. | D* | ITNA | 78RYA | 01 |
| 18600. | 3300. | | ITNA | 73SHE | 01 |
| 18600. | | | ITNA | 78WEA | 01 |
| K (%) | | | | | |
| 1.29 | 0.09 | * | ITNA | 76KUC | 01 |
| 1.51 | | | ICPES | 80NAD | 01 |
| 1.51 | 0.05 | | ITNA | 78MAC | 01 |
| 1.54 | 0.04 | | ITNA | 76BLO | 01 |
| 1.58 | 0.15 | | ITNA | 75OND | 01 |
| 1.59 | 0.05 | | PAA | 76KAT | 03 |
| 1.59 | 0.05 | | PAA | 76KAT | 02 |
| 1.6 | 0.12 | | AA | 80STO | 02 |
| 1.6 | 0.06 | D* | PAA | 77CHA | 01 |
| 1.6 | 0.04 | | ICPES | 81CHU | 01 |
| 1.6 | 0.06 | | PAA | 76CHA | 01 |
| 1.6 | | | OES | 80WAL | 01 |
| 1.61 | | | ITNA | 78WEA | 01 |
| 1.63 | 0.06 | | ITNA | 77MAE | 01 |
| 1.63 | | | XRF | 78CAM | 02 |
| 1.65 | 0.09 | | ITNA | 78LAU | 02 |
| 1.66 | 0.04 | | XRF | 79SMI | 01 |
| 1.67 | 0.06 | | EXRF | 78PEL | 01 |
| 1.68 | | | AA | 79SIL | 01 |
| 1.69 | | 35 | TCGS | 78GLA | 04 |
| 1.69 | 0.13 | | ITNA | 77CHA | 01 |
| 1.69 | 0.13 | D* | ITNA | 78RYA | 01 |
| 1.7 | 0.2 | | ITNA | 76OND | 01 |
| 1.7 | | | ITNA | 78KEL | 02 |
| 1.71 | 0.03 | | GAMMA | 73ABE | 01 |
| 1.71 | 0.03 | | GAMMA | 75OND | 01 |
| 1.71 | 0.04 | | AA | 76OND | 01 |
| 1.72 | 0.09 | | ICPES | 80NAD | 01 |
| 1.73 | 0.18 | | ITNA | 81WAN | 01 |
| 1.74 | 0.07 | | EXRF | 77NIE | 01 |
| 1.75 | 0.1 | | TCGS | 79AND | 01 |
| 1.75 | | | UU | 80HEN | 01 |
| 1.75 | 0.18 | | ITNA | 76RAG | 01 |
| 1.76 | 0.05 | D* | TCGS | 80AND | 01 |
| 1.76 | 0.05 | | TCGS | 79FAI | 01 |
| 1.77 | | | ITNA | 75MIL | 01 |
| 1.78 | 0.24 | | ITNA | 78NAD | 02 |
| 1.78 | 0.23 | | ITNA | 75NAD | 02 |
| 1.8 | 0.3 | | 14NAA | 81WIL | 02 |
| 1.8 | 0.13 | | ITNA | 77ROW | 03 |
| 1.8 | 0.13 | | ITNA | 76STE | 05 |
| 1.8 | | | ITNA | 75KLE | 01 |
| 1.81 | 0.15 | 35 | ITNA | 81GLA | 03 |
| 1.83 | 0.05 | 35 | IENA | 80GLA | 03 |

TABLE X (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 1.9 | 0.5 | * | 14NAA | 81WIL | 01 |
| 1.97 | | *35 | ITNA | 81GLA | 04 |
| 2.18 | 0.24 | * | ITNA | 73SHE | 01 |
| 3.3 | 0.66 | * | OES | 76WEW | 01 |
| La (ppm) | | | | | |
| 45. | 4.5 | * | OES | 76WEW | 01 |
| 64. | 2. | * | ITNA | 78NAD | 02 |
| 64.1 | 1.6 | * | ITNA | 75NAD | 02 |
| 68. | 2. | | ITNA | 78MAC | 01 |
| 70. | | | UU | 80HEN | 01 |
| 71.9 | | | ITNA | 83GLA | 01 |
| 72. | 6. | | XRF | 79SMI | 01 |
| 74. | 4. | | ITNA | 78LAU | 02 |
| 74.8 | | | ITNA | 82GLA | 02 |
| 75. | 4. | 35 | ITNA | 81GLA | 03 |
| 76. | 14. | | ITNA | 76OND | 01 |
| 76.4 | 4.5 | | ITNA | 81WAN | 01 |
| 77. | 8. | | ITNA | 73SHE | 01 |
| 78. | | | XRF | 78CAM | 02 |
| 78. | | | ICPES | 80FLO | 01 |
| 79. | 6. | 35 | IENA | 80GLA | 03 |
| 79. | 1.6 | | ICPES | 81CHU | 01 |
| 80. | | | ITNA | 75MIL | 01 |
| 81. | 2. | | ITNA | 76RAG | 01 |
| 81.2 | 3.3 | | IENA | 77ROW | 03 |
| 81.2 | 3.2 | | IENA | 76STE | 05 |
| 82. | 4. | | ITNA | 73ABE | 01 |
| 82. | 20. | | EXRF | 77GIA | 01 |
| 82. | | | ITNA | 78WEA | 01 |
| 82. | | | ITNA | 75KLE | 01 |
| 82. | 2. | | ITNA | 75OND | 01 |
| 84. | 3.6 | | IENA | 77ROW | 04 |
| 84. | 3.6 | | ITNA | 77ROW | 03 |
| 85. | 4. | | ITNA | 77CHA | 01 |
| 85. | 4. | D* | ITNA | 78RYA | 01 |
| 85.3 | 3.8 | | ITNA | 77ROW | 04 |
| 86. | 2. | | ITNA | 76WEW | 01 |
| 91. | 7. | * | ITNA | 76STE | 05 |
| 110. | 20. | * | SSMS | 78SUG | 02 |
| Li (ppm) | | | | | |
| 1.7 | 0.3 | * | ICPES | 81CHU | 01 |
| 80. | | | AA | 76WEW | 01 |
| 140. | 9. | | OES | 76WEW | 01 |
| 300. | | | UU | 80HEN | 01 |
| Lu (ppm) | | | | | |
| | 50. | L* | OES | 76WEW | 01 |
| 0.87 | | | ITNA | 82GLA | 02 |
| 0.9 | 0.3 | | ITNA | 81WAN | 01 |
| 0.94 | 0.09 | D* | ITNA | 77ROW | 04 |
| 0.94 | 0.09 | | ITNA | 77ROW | 03 |
| 1. | 0.1 | | ITNA | 75OND | 01 |
| 1. | 0.2 | | ITNA | 76WEW | 01 |
| 1.01 | 0.02 | | ITNA | 78NAD | 02 |
| 1.01 | 0.02 | | ITNA | 75NAD | 02 |
| 1.1 | | 35 | ITNA | 81GLA | 03 |
| 1.1 | 0.15 | | ITNA | 77CHA | 01 |

TABLE X (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 1.1 | 0.15 | D* | ITNA | 78RYA | 01 |
| 1.2 | | | ITNA | 75MIL | 01 |
| 1.7 | 0.4 | | SSMS | 78SUG | 02 |
| 2. | 0.05 | * | ITNA | 78LAU | 02 |
| 3.8 | 0.5 | * | ITNA | 73SHE | 01 |
| 4. | 1. | * | ITNA | 78MAC | 01 |
| Mg (%) | | | | | |
| 1.01 | | * | ICPES | 80NAD | 01 |
| 1.2 | 0.1 | | AA | 76OND | 01 |
| 1.22 | | | AA | 79SIL | 01 |
| 1.29 | 0.02 | | ICPES | 80NAD | 01 |
| 1.32 | 0.04 | | ICPES | 81CHU | 01 |
| 1.4 | 0.4 | | ITNA | 77MAE | 01 |
| 1.4 | 0.4 | | ITNA | 78LAU | 02 |
| 1.4 | | | OES | 78SUG | 01 |
| 1.44 | 0.02 | | PAA | 76KAT | 03 |
| 1.45 | 0.05 | | AA | 80STO | 02 |
| 1.48 | 0.01 | | PAA | 74CHA | 01 |
| 1.5 | 1.3 | | 14NAA | 81WIL | 01 |
| 1.5 | 0.2 | D* | TCGS | 80AND | 01 |
| 1.5 | 0.2 | | TCGS | 79FAI | 01 |
| 1.5 | 0.15 | D* | PAA | 77CHA | 01 |
| 1.5 | 0.01 | | PAA | 76KAT | 02 |
| 1.5 | 0.3 | | ITNA | 76WEW | 01 |
| 1.5 | 0.15 | | PAA | 76CHA | 01 |
| 1.52 | 0.06 | | ITNA | 78NAD | 02 |
| 1.52 | 0.06 | | ITNA | 75NAD | 02 |
| 1.597 | 0.806 | | ITNA | 73SHE | 01 |
| 1.6 | 0.32 | | OES | 76WEW | 01 |
| 1.68 | 0.21 | D* | ITNA | 78RYA | 01 |
| 1.68 | 0.21 | | ITNA | 77CHA | 01 |
| 1.78 | 0.2 | | ITNA | 77ROW | 03 |
| 1.78 | 0.2 | | ITNA | 76STE | 05 |
| 1.8 | | | OES | 80WAL | 01 |
| 1.8 | | | ICPES | 80FLO | 01 |
| 1.8 | | | ITNA | 78WEA | 01 |
| 1.8 | 0.4 | | ITNA | 75OND | 01 |
| 2. | | | UU | 80HEN | 01 |
| 2. | 0.4 | | ITNA | 76RAG | 01 |
| 2.08 | 0.43 | | ITNA | 73ABE | 01 |
| 2.1 | 0.5 | | 14NAA | 81WIL | 02 |
| 2.19 | 0.35 | * | ITNA | 81WAN | 01 |
| 2.4 | | *35 | TCGS | 78GLA | 04 |
| 6.3 | 0.3 | * | ITNA | 78MAC | 01 |
| Mn (ppm) | | | | | |
| 351. | | *6 | SSMS | 78GUI | 01 |
| 420. | | * | ITNA | 78KEL | 02 |
| 422.4 | 3.9 | * | AA | 77MIT | 01 |
| 440. | | * | AA | 78WEG | 01 |
| 460. | | | ITNA | 75KLE | 01 |
| 460. | 26. | | OES | 76WEW | 01 |
| 464. | 1. | | ITNA | 78NAD | 02 |
| 464. | 1.4 | | ITNA | 75NAD | 02 |
| 464. | 46. | | ITNA | 76KUC | 01 |
| 466. | 31. | | ITNA | 73SHE | 01 |
| 477. | 5. | | AA | 76OND | 01 |
| 478. | | | FAA | 78GUI | 01 |
| 480. | 25. | D* | TCGS | 80AND | 01 |
| 480. | 25. | | TCGS | 79FAI | 01 |

TABLE X (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 480. | 10. | | ITNA | 76BLO | 01 |
| 482. | | | ICPES | 80NAD | 01 |
| 483. | 21. | | XRF | 79SMI | 01 |
| 485. | | | AA | 79SIL | 01 |
| 488. | 50. | | ITNA | 81WAN | 01 |
| 488. | 14. | | ITNA | 77ROW | 03 |
| 488. | 14. | | ITNA | 76STE | 05 |
| 489. | 11. | | ITNA | 73ABE | 01 |
| 491. | 10. | | PAA | 76KAT | 02 |
| 491. | 18. | | PAA | 76KAT | 03 |
| 492. | | | AA | 78GUI | 01 |
| 493. | 4.1 | | AA | 74RAI | 01 |
| 495. | | | ITNA | 78WEA | 01 |
| 495. | 15. | D* | PAA | 77CHA | 01 |
| 495. | 15. | | PAA | 76CHA | 01 |
| 495. | 25. | | PAA | 74CHA | 01 |
| 496. | | | OES | 80WAL | 01 |
| 496. | 19. | | ITNA | 75OND | 01 |
| 496. | 19. | D* | NAA | 74OND | 01 |
| 498. | 11. | 35 | ITNA | 81GLA | 03 |
| 499. | 22. | 6 | FAA | 79GEL | 01 |
| 499. | 25. | | ITNA | 76OND | 01 |
| 500. | | | UU | 80HEN | 01 |
| 500. | | | EXRF | 78WEG | 01 |
| 500. | 15. | D* | ITNA | 78RYA | 01 |
| 500. | 15. | | ITNA | 77CHA | 01 |
| 500. | 17. | | EXRF | 78PEL | 01 |
| 500. | | | OES | 78SUG | 01 |
| 503. | 15. | | ITNA | 77MAE | 01 |
| 504. | 25. | | ITNA | 76WEW | 01 |
| 505. | 9. | 35 | ITNA | 81GLA | 02 |
| 505. | 14. | | ITNA | 76RAG | 01 |
| 506. | | | AA | 76WEW | 01 |
| 508. | | | XRF | 78CAM | 02 |
| 510. | | | ICPES | 80FLO | 01 |
| 510. | 70. | | XRF | 81COH | 02 |
| 510. | 10. | | ITNA | 78LAU | 02 |
| 513. | 15. | 35 | IENA | 80GLA | 03 |
| 516. | 16. | | ICPES | 81CHU | 01 |
| 520. | 6. | | FAA | 76OWE | 01 |
| 520. | 20. | | ITNA | 78MAC | 01 |
| 528. | 104. | | EXRF | 77GIA | 01 |
| 528. | | 6 | SSMS | 78GUI | 01 |
| 530. | 30. | | AA | 80STO | 02 |
| 531. | 14. | | EXRF | 77NIE | 01 |
| 540. | | * | ITNA | 75MIL | 01 |
| 570. | 24. | *6 | FAA | 79GEL | 01 |
| Mo (ppm) | | | | | |
| 0.5 | 0.08 | D* | PAA | 77CHA | 01 |
| 0.5 | 0.08 | * | PAA | 76CHA | 01 |
| 1.52 | 0.15 | * | PAA | 74CHA | 01 |
| 20. | | | UU | 80HEN | 01 |
| 20. | | | ITNA | 78WEA | 01 |
| 22.3 | 1.6 | | 14NAA | 81WIL | 02 |
| 25. | 5. | | EXRF | 77GIA | 01 |
| 25.3 | 1.6 | D* | IENA | 77ROW | 04 |
| 25.3 | 1.6 | | IENA | 77ROW | 03 |
| 28. | 1. | | XRF | 79SMI | 01 |
| 28. | 1.3 | | 14NAA | 81WIL | 01 |
| 28. | 1. | 35 | IENA | 81GLA | 03 |
| 28. | 1. | 35 | IENA | 80GLA | 03 |

TABLE X (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 32. | | | ICPES | 80NAD | 01 |
| 36. | 5. | | FAA | 76OWE | 01 |
| 36. | 3. | 35 | RTNA | 78GLA | 02 |
| 37. | 1.3 | | OES | 76WEW | 01 |
| N (ppm) | | | | | |
| | 1000. | L* | UU | 80HEN | 01 |
| Na (ppm) | | | | | |
| 2603. | 156. | * | ITNA | 76KUC | 01 |
| 2658. | 129. | | ITNA | 73SHE | 01 |
| 2800. | 300. | | ITNA | 76BLO | 01 |
| 2820. | 50. | | ITNA | 78MAC | 01 |
| 2830. | 136. | | ITNA | 76STE | 05 |
| 2830. | 140. | | ITNA | 77ROW | 03 |
| 2900. | | | ICPES | 80NAD | 01 |
| 2900. | | | OES | 78SUG | 01 |
| 3000. | 200. | D* | TCGS | 80AND | 01 |
| 3000. | 70. | | ICPES | 81CHU | 01 |
| 3000. | 200. | | TCGS | 79FAI | 01 |
| 3000. | | | UU | 80HEN | 01 |
| 3000. | | | AA | 79SIL | 01 |
| 3000.. | 100. | | ITNA | 78LAU | 02 |
| 3000. | | | OES | 80WAL | 01 |
| 3052. | 264. | | ITNA | 81WAN | 01 |
| 3070. | 80. | | ITNA | 77MAE | 01 |
| 3100. | 300. | | ITNA | 76OND | 01 |
| 3100. | 200. | | ICPES | 80NAD | 01 |
| 3130. | | | ITNA | 83GLA | 01 |
| 3150. | 110. | | 14NAA | 81WIL | 01 |
| 3200. | 300. | D* | ITNA | 78RYA | 01 |
| 3200. | 400. | | ITNA | 75OND | 01 |
| 3200. | | | ITNA | 78WEA | 01 |
| 3200. | 300. | | ITNA | 77CHA | 01 |
| 3200. | 200. | | AA | 76OND | 01 |
| 3220. | 50. | 35 | ITNA | 81GLA | 03 |
| 3240. | 100. | | ITNA | 76RAG | 01 |
| 3290. | 110. | | AA | 80STO | 02 |
| 3300. | 200. | | ITNA | 75NAD | 02 |
| 3300. | 200. | | ITNA | 78NAD | 02 |
| 3300. | 150. | D* | PAA | 77CHA | 01 |
| 3300. | 100. | 35 | ITNA | 81GLA | 02 |
| 3300. | 150. | | PAA | 76CHA | 01 |
| 3330. | 170. | | 14NAA | 81WIL | 02 |
| 3400. | 300. | | PAA | 74CHA | 01 |
| 3400. | 300. | | ITNA | 76WEW | 01 |
| 3400. | | | ITNA | 75MIL | 01 |
| 3600. | | 35 | TCGS | 78GLA | 04 |
| 3700. | 200. | | ITNA | 73ABE | 01 |
| 3850. | 210. | * | PAA | 76KAT | 03 |
| 3860. | 130. | * | PAA | 76KAT | 02 |
| 9700. | 1900. | * | OES | 76WEW | 01 |
| Nb (ppm) | | | | | |
| | 100. | L* | OES | 76WEW | 01 |
| 7. | | | UU | 80HEN | 01 |
| 26. | 1. | | XRF | 79SMI | 01 |
| 28. | 2. | | EXRF | 77GIA | 01 |

TABLE X (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Nd (ppm) | | | | | |
| | 100. | L* | OES | 76WEW | 01 |
| 57.8 | 1.6 | D* | ITNA | 77ROW | 04 |
| 57.8 | 1.6 | | ITNA | 77ROW | 03 |
| 58. | 10. | | ITNA | 81WAN | 01 |
| 60. | | 35 | IENA | 81GLA | 04 |
| 60. | 2. | 35 | IENA | 80GLA | 03 |
| 60.5 | 1.5 | | ITNA | 75NAD | 02 |
| 61. | 2. | | ITNA | 78NAD | 02 |
| 62. | 2. | | TCGS | 80AND | 01 |
| 62.1 | 2.4 | | TCGS | 79FAI | 01 |
| 66. | 7. | | ITNA | 76OND | 01 |
| 69. | 7. | D* | ITNA | 78RYA | 01 |
| 69. | 7. | | ITNA | 77CHA | 01 |
| 81. | | | ITNA | 75MIL | 01 |
| 90. | 13. | * | SSMS | 78SUG | 02 |
| 94. | 19. | * | ICPES | 81CHU | 01 |
| NH4 (ppm) | | | | | |
| | 100. | L* | UU | 80HEN | 01 |
| Ni (ppm) | | | | | |
| 69. | 7. | * | IENA | 77ROW | 03 |
| 78. | | * | AA | 76WEW | 01 |
| 84. | 2. | 35 | IENA | 81GLA | 04 |
| 84. | 6. | 35 | IENA | 80GLA | 03 |
| 85. | | | AA | 78GUI | 01 |
| 92. | 9. | 6 | PAA | 82SEG | 01 |
| 92. | 6. | | PAA | 75OND | 01 |
| 93. | 5. | 8 | SSMS | 80KOP | 01 |
| 93. | | | EXRF | 78WEG | 01 |
| 94. | | | XRF | 78CAM | 02 |
| 94. | | | ICPES | 80FLO | 01 |
| 95. | 20. | | EXRF | 78PEL | 01 |
| 95. | 9. | | ITNA | 77CHA | 01 |
| 95. | 9. | D* | ITNA | 78RYA | 01 |
| 96. | 5. | | XRF | 79SMI | 01 |
| 96. | 3. | | PAA | 76KAT | 02 |
| 96. | 5. | | PAA | 76KAT | 03 |
| 96.4 | 1.2 | 6 | IDMS | 74MOO | 01 |
| 96.4 | 1.2 | 6 | IDMS | 74MOO | 01 |
| 96.6 | 1. | 6 | IDMS | 74MOO | 01 |
| 96.8 | 3.2 | | PAA | 74CHA | 01 |
| 97. | 5. | D* | PAA | 77CHA | 01 |
| 97. | 5. | | PAA | 76CHA | 01 |
| 98. | | | FAA | 80WAL | 01 |
| 98. | | | POL | 74MAI | 01 |
| 98. | 9. | D* | NAA | 74OND | 01 |
| 98.5 | 9.5 | | IENA | 77ROW | 04 |
| 99. | | | AA | 79SIL | 01 |
| 99. | 4. | | AF | 80EPS | 02 |
| 99.7 | 3.3 | | AA | 77MIT | 01 |
| 100. | 7. | 6 | PAA | 82SEG | 01 |
| 100. | | | UU | 80HEN | 01 |
| 100. | 7. | | AA | 76OND | 01 |
| 100. | 5. | | ITNA | 78NAD | 02 |
| 100. | 5. | | ITNA | 75NAD | 02 |
| 100. | 3. | | ICPES | 81CHU | 01 |

TABLE X (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 100. | 20. | | ITNA | 76OND | 01 |
| 101. | 7. | | EXRF | 77GIA | 01 |
| 101. | 3.3 | | AA | 74RAI | 01 |
| 105. | 3. | | 14NAA | 81WIL | 01 |
| 105. | 13. | | ITNA | 75OND | 01 |
| 106. | | | FAA | 78GUI | 01 |
| 106. | 12. | | 14NAA | 81WIL | 02 |
| 109. | | | XRF | 75KLE | 01 |
| 110. | 7. | | PAA | 80SEG | 01 |
| 110. | 10. | 9 | ITNA | 78LAU | 02 |
| 120. | 7.5 | * | OES | 76WEW | 01 |
| 120. | | * | OES | 78SUG | 01 |
| 128. | | * | ICPES | 80NAD | 01 |
| NO2 (ppm) | | | | | |
| | 100. | L* | UU | 80HEN | 01 |
| NO3 (ppm) | | | | | |
| | 100. | L* | UU | 80HEN | 01 |
| O (%) | | | | | |
| 47.02 | 0.08 | 34 | 14NAA | 80KHA | 02 |
| Os (ppb) | | | | | |
| | 4000. | L* | RTNA | 77NAD | 02 |
| | 400. | L* | UU | 80HEN | 01 |
| P (ppm) | | | | | |
| | 8000. | L* | XRF | 79SMI | 01 |
| 880. | | | AA | 76WEW | 01 |
| 898. | | | ICPES | 80NAD | 01 |
| 1090. | 26. | | ICPES | 81CHU | 01 |
| 1200. | | | UU | 80HEN | 01 |
| 1900. | 100. | * | COLOR | 80NAD | 01 |
| 3000. | | *35 | TCGS | 78GLA | 04 |
| Pb (ppm) | | | | | |
| 40. | | *6 | SSMS | 78GUI | 01 |
| 62. | | | AA | 78GUI | 01 |
| 62.8 | | | FAA | 78GUI | 01 |
| 64. | 13. | | ICPES | 81CHU | 01 |
| 65. | | | EXRF | 78WEG | 01 |
| 66. | 12. | | EXRF | 78PEL | 01 |
| 66. | 6. | | XRF | 79SMI | 01 |
| 67. | | | POL | 74MAI | 01 |
| 68. | 6. | 8 | SSMS | 80KOP | 02 |
| 68. | 4. | 6 | PAA | 82SEG | 01 |
| 68. | 4. | | PAA | 80SEG | 01 |
| 68.8 | | | POT | 82CHR | 01 |
| 69. | 4. | 6 | PAA | 82SEG | 01 |
| 70. | | | AA | 78GEL | 01 |
| 70. | | | AA | 79SIL | 01 |
| 70. | | 6 | SSMS | 78GUI | 01 |
| 70.5 | | | FAA | 78SIE | 01 |
| 70.7 | 2.6 | | PAA | 74CHA | 01 |
| 71. | 3. | | NAA | 77JER | 01 |

TABLE X (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 71. | 3. | | PAA | 76CHA | 01 |
| 71. | 3. | D* | PAA | 77CHA | 01 |
| 72. | 5. | | EXRF | 77GIA | 01 |
| 74. | 4. | | FAA | 75BLO | 02 |
| 74. | 4. | | FAA | 76BLO | 01 |
| 74. | 9. | | OES | 76WEW | 01 |
| 75. | | | OES | 80WAL | 01 |
| 75. | 5. | D* | NAA | 74OND | 01 |
| 75. | 5. | | PAA | 75OND | 01 |
| 76. | | | AE+AF | 77FEL | 01 |
| 77. | | | ICPES | 80NAD | 01 |
| 77. | 6. | | AA | 80STO | 02 |
| 78. | 4. | | IDMS | 75KLE | 01 |
| 78. | 2. | | IDMS | 78CAR | 02 |
| 78. | 2. | | AA | 76OND | 01 |
| 79.6 | 9.7 | | HAA | 82NAD | 01 |
| 80. | | | UU | 80HEN | 01 |
| 81. | | | ICPES | 80FLO | 01 |
| 81. | | | AA | 78WEG | 01 |
| 82. | 6. | | FAA | 76OWE | 01 |
| 82. | | | AA | 76WEW | 01 |
| 100. | 25. | * | 14NAA | 81WIL | 02 |
| Pb-210 (PCi) | | | | | |
| 3.37 | 0.13 | D* | NM | 81CAS | 01 |
| 3.37 | 0.13 | | NM | 80CAS | 01 |
| Pd (ppb) | | | | | |
| | 2. | L* | RTNA | 77NAD | 02 |
| | 1000. | L* | UU | 80HEN | 01 |
| | 4000. | L* | EXRF | 77GIA | 01 |
| Pr (ppm) | | | | | |
| | 100. | L* | OES | 76WEW | 01 |
| 24. | | | ICPES | 80FLO | 01 |
| 28. | 6. | | SSMS | 78SUG | 02 |
| Pt (ppm) | | | | | |
| | 90. | L* | OES | 76WEW | 01 |
| 0.4 | | | UU | 80HEN | 01 |
| 0.451 | 0.011 | | RTNA | 77NAD | 01 |
| 1.38 | 0.28 | | RTNA | 77NAD | 02 |
| Rb (ppm) | | | | | |
| 70. | 30. | * | ITNA | 81WAN | 01 |
| 95. | 1. | * | PAA | 76KAT | 02 |
| 96. | 2. | * | PAA | 76KAT | 03 |
| 100. | 10. | 9 | ITNA | 78LAU | 02 |
| 102. | 5. | | 14NAA | 81WIL | 02 |
| 105. | 10. | | ITNA | 76RAG | 01 |
| 108. | 4. | | EXRF | 77GIA | 01 |
| 108.4 | 3.7 | | IENA | 77ROW | 03 |
| 108.4 | 3.7 | D* | IENA | 77ROW | 04 |
| 110. | 2. | | XRF | 79SMI | 01 |
| 110. | 9. | | ITNA | 77ROW | 04 |
| 110. | 22. | | OES | 76WEW | 01 |

TABLE X (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 111. | 14. | | ITNA | 78NAD | 02 |
| 111. | 7. | | ITNA | 83GLA | 01 |
| 111. | 13.5 | | ITNA | 75NAD | 02 |
| 112. | 20. | | ITNA | 76WEW | 01 |
| 114. | | | XRF | 78CAM | 02 |
| 115. | 15. | | ITNA | 73SHE | 01 |
| 115. | 10. | | ITNA | 78LAU | 02 |
| 116. | 10. | | ITNA | 77CHA | 01 |
| 116. | 10. | D* | ITNA | 78RYA | 01 |
| 117. | 6. | 35 | IENA | 80GLA | 03 |
| 118. | 7. | 35 | NAA | 81GLA | 04 |
| 119. | 7. | 35 | ITNA | 81GLA | 02 |
| 120. | 10. | | PAA | 76CHA | 01 |
| 120. | 10. | D* | PAA | 77CHA | 01 |
| 120. | | | XRF | 75KLE | 01 |
| 123. | 9. | 35 | ITNA | 81GLA | 03 |
| 124. | 10. | | ITNA | 73ABE | 01 |
| 125. | | | ITNA | 78WEA | 01 |
| 125. | 4. | | EXRF | 77NIE | 01 |
| 125. | 10. | | ITNA | 75OND | 01 |
| 126. | 10. | | PAA | 75OND | 01 |
| 130. | 30. | | ITNA | 76OND | 01 |
| 137. | 4. | * | 14NAA | 81WIL | 01 |
| 150. | | * | UU | 80HEN | 01 |
| **Re (ppb)** | | | | | |
| | 200. | L* | UU | 80HEN | 01 |
| **Rh (ppm)** | | | | | |
| | 30. | L* | OES | 76WEW | 01 |
| | 4. | L* | EXRF | 77GIA | 01 |
| | 500. | L* | UU | 80HEN | 01 |
| **Ru (ppm)** | | | | | |
| | 30. | L* | OES | 76WEW | 01 |
| | 0.5 | L* | UU | 80HEN | 01 |
| 0.258 | 0.02 | | RTNA | 77NAD | 02 |
| 3. | 2. | | EXRF | 77GIA | 01 |
| **S (ppm)** | | | | | |
| 2000. | | | XRF | 81COH | 02 |
| 3900. | 400. | D* | TCGS | 80AND | 01 |
| 3900. | 400. | | TCGS | 79FAI | 01 |
| 4000. | 400. | | TCGS | 79AND | 01 |
| 4400. | 100. | | TCGS | 77JUR | 01 |
| 7800. | | | XRF | 78CAM | 02 |
| 9000. | 500. | | XRF | 79SMI | 01 |
| **Sb (ppm)** | | | | | |
| | 15. | L* | 14NAA | 81WIL | 01 |
| | 100. | L* | OES | 76WEW | 01 |
| 4. | 3. | * | EXRF | 77GIA | 01 |
| 5. | | * | ICPES | 82NYG | 01 |
| 5.9 | 0.3 | | ITNA | 81WAN | 01 |
| 5.9 | 0.5 | 5 | IENA | 77ROW | 04 |
| 5.9 | 0.5 | 5 | ITNA | 77ROW | 04 |
| 5.96 | 0.61 | | HAA | 82NAD | 01 |

TABLE X (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 6. | 0.2 | | IENA | 77ROW | 03 |
| 6.03 | 0.23 | 5 | IENA | 77ROW | 04 |
| 6.1 | 0.4 | 5 | ITNA | 77ROW | 04 |
| 6.2 | | 35 | ITNA | 81GLA | 03 |
| 6.4 | 0.2 | | ITNA | 78LAU | 02 |
| 6.5 | 0.2 | 35 | RTNA | 78GLA | 02 |
| 6.72 | 0.35 | | ITNA | 75NAD | 02 |
| 6.72 | 0.35 | | ITNA | 78NAD | 02 |
| 6.9 | | | ITNA | 78WEA | 01 |
| 6.9 | 0.5 | D* | ITNA | 78RYA | 01 |
| 6.9 | 0.5 | | ITNA | 77CHA | 01 |
| 6.9 | 0.6 | | ITNA | 75OND | 01 |
| 6.9 | 0.6 | | ITNA | 76RAG | 01 |
| 6.9 | 0.3 | | ITNA | 76OND | 01 |
| 7. | | | UU | 80HEN | 01 |
| 7. | 1.2 | | PAA | 76KAT | 03 |
| 7. | 1.1 | | PAA | 75OND | 01 |
| 7.1 | 0.5 | | NAA | 77JER | 01 |
| 7.1 | 0.5 | D* | PAA | 77CHA | 01 |
| 7.1 | 0.5 | | PAA | 76CHA | 01 |
| 7.1 | 0.7 | | PAA | 76KAT | 02 |
| 7.14 | 0.56 | | PAA | 74CHA | 01 |
| 7.2 | 0.8 | | ITNA | 73ABE | 01 |
| 7.2 | 0.3 | 35 | NAA | 81GLA | 04 |
| 7.2 | 0.3 | 35 | ITNA | 81GLA | 02 |
| 7.3 | 0.3 | | FAA | 78HAY | 01 |
| 7.4 | 0.3 | | ITNA | 78MAC | 01 |
| 7.7 | 0.5 | 35 | IENA | 80GLA | 03 |
| 7.8 | | | ITNA | 75KLE | 01 |
| 8.3 | 1.8 | * | 14NAA | 81WIL | 02 |
| 9.8 | 2.1 | * | ITNA | 76WEW | 01 |
| 12.08 | 0.86 | * | ITNA | 73SHE | 01 |
| **Sc (ppm)** | | | | | |
| 20. | | * | UU | 80HEN | 01 |
| 20. | | * | ICPES | 80FLO | 01 |
| 20.7 | 2.1 | * | PAA | 74CHA | 01 |
| 23. | 0.4 | | ITNA | 76BLO | 01 |
| 23. | 2.3 | | OES | 76WEW | 01 |
| 24. | 1. | | ITNA | 76WEW | 01 |
| 25.1 | 0.5 | | ITNA | 78NAD | 02 |
| 25.1 | 0.5 | | ITNA | 75NAD | 02 |
| 25.5 | 2. | D* | ITNA | 78RYA | 01 |
| 25.5 | 2. | | ITNA | 77CHA | 01 |
| 25.6 | 0.5 | | IENA | 77ROW | 04 |
| 26. | 2. | 35 | IENA | 80GLA | 03 |
| 26.5 | 0.2 | | ITNA | 83GLA | 01 |
| 26.7 | 0.2 | D* | ITNA | 77ROW | 04 |
| 26.7 | 0.2 | | ITNA | 77ROW | 03 |
| 26.8 | 0.2 | | ITNA | 78MAC | 01 |
| 26.9 | 0.3 | | ITNA | 81WAN | 01 |
| 26.9 | 1.4 | | ITNA | 76OND | 01 |
| 27. | 0.5 | | ITNA | 78LAU | 02 |
| 27. | 1. | | ITNA | 73ABE | 01 |
| 27. | | | ITNA | 78WEA | 01 |
| 27. | 2. | | PAA | 76CHA | 01 |
| 27. | 2. | D* | PAA | 77CHA | 01 |
| 27. | 1. | | ITNA | 75OND | 01 |
| 27. | 0.6 | | ITNA | 76RAG | 01 |
| 27.5 | 2.4 | | ITNA | 73SHE | 01 |
| 28. | 1. | 35 | ITNA | 81GLA | 02 |

TABLE X (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 28.3 | 0.7 | 35 | ITNA | 81GLA | 04 |
| 29. | 3. | | 14NAA | 81WIL | 02 |
| 29.1 | | | ITNA | 75MIL | 01 |
| 30. | 1. | 35 | ITNA | 81GLA | 03 |
| 32. | | * | ITNA | 75KLE | 01 |
| 41. | 5. | * | 14NAA | 81WIL | 01 |
| Se (ppm) | | | | | |
| | 10. | L* | ICPES | 81CHU | 01 |
| 3.2 | | * | HAA | 74BYR | 02 |
| 4.5 | 0.7 | * | ASV | 76AND | 01 |
| 5.5 | 3.4 | * | ITNA | 81WAN | 01 |
| 8.7 | 1.8 | | ITNA | 78MAC | 01 |
| 8.76 | 0.48 | | HAA | 82NAD | 01 |
| 8.8 | 1.2 | | ITNA | 73ABE | 01 |
| 8.8 | 0.7 | 9 | ITNA | 80WAN | 01 |
| 8.8 | | | XRF | 78CAM | 02 |
| 8.9 | 1.2 | | XRF | 79SMI | 01 |
| 8.9 | 0.6 | | ITNA | 80WAN | 01 |
| 9. | 1.4 | | ITNA | 76RAG | 01 |
| 9. | 2. | 35 | IENA | 80GLA | 03 |
| 9. | | | ICPES | 82NYG | 01 |
| 9.1 | 0.2 | | ITNA | 78NAD | 02 |
| 9.1 | 1. | | RTNA | 74ORV | 01 |
| 9.1 | 0.3 | 35 | NAA | 81GLA | 04 |
| 9.1 | 0.2 | | ITNA | 75NAD | 02 |
| 9.1 | 0.2 | | ITNA | 81CAR | 02 |
| 9.35 | 0.03 | | GCMES | 74TAL | 02 |
| 9.35 | 0.03 | | DCP | 81CAR | 02 |
| 9.35 | 0.03 | | GCMES | 75KLE | 01 |
| 9.48 | 0.8 | | PAA | 74CHA | 01 |
| 9.5 | 0.8 | D* | PAA | 77CHA | 01 |
| 9.5 | 0.8 | | PAA | 76CHA | 01 |
| 9.6 | 3.1 | | ITNA | 76BLO | 01 |
| 9.7 | | | COLOR | 74BYR | 02 |
| 9.8 | 1. | D* | ITNA | 78RYA | 01 |
| 9.8 | 0.5 | 6 | PAA | 82SEG | 01 |
| 9.8 | | | ITNA | 78WEA | 01 |
| 9.8 | 1. | | ITNA | 77CHA | 01 |
| 10. | 0.5 | 8 | SSMS | 80KOP | 01 |
| 10. | 0.9 | 6 | PAA | 82SEG | 01 |
| 10. | 0.5 | 9 | ITNA | 78LAU | 02 |
| 10. | 2. | | ITNA | 76OND | 01 |
| 10. | | | UU | 80HEN | 01 |
| 10. | 0.9 | | PAA | 80SEG | 01 |
| 10. | 0.6 | | RTNA | 80KNA | 01 |
| 10.1 | 2.2 | | ITNA | 76WEW | 01 |
| 10.2 | | | HAA | 80WAL | 01 |
| 10.2 | 1.4 | | ITNA | 75OND | 01 |
| 10.2 | 1.4 | D* | NAA | 74OND | 01 |
| 10.3 | 0.7 | | RTNA | 81GAL | 01 |
| 10.3 | 0.7 | | RTNA | 81GAL | 02 |
| 10.6 | 1.3 | | ITNA | 77ROW | 04 |
| 10.6 | 1. | | ITNA | 78LAU | 02 |
| 10.8 | 0.8 | D* | IENA | 77ROW | 04 |
| 10.8 | 0.8 | | IENA | 77ROW | 03 |
| 11. | 3. | | ITNA | 76KUC | 01 |
| 11. | 1. | | EXRF | 77GIA | 01 |
| 12.7 | 1.8 | * | ITNA | 73SHE | 01 |
| 35. | 13. | * | 14NAA | 81WIL | 01 |
| 35. | 13. | * | 14NAA | 81WIL | 02 |

TABLE X (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Si (%) | | | | | |
| 16. | | * | OES | 78SUG | 01 |
| 17. | 3.4 | * | OES | 76WEW | 01 |
| 17.7 | | *35 | TCGS | 78GLA | 04 |
| 20. | 1.6 | | PAA | 76CHA | 01 |
| 20. | 1.6 | D* | PAA | 77CHA | 01 |
| 20.4 | | | ICPES | 80NAD | 01 |
| 20.9 | | | UU | 80HEN | 01 |
| 21. | 2. | | PAA | 75OND | 01 |
| 21.5 | 1.4 | | XRF | 79SMI | 01 |
| 21.8 | 0.3 | | TCGS | 79FAI | 01 |
| 21.8 | 0.3 | | TCGS | 80AND | 01 |
| 21.9 | | | XRF | 78CAM | 02 |
| 22. | 1. | 35 | AA | 81GLA | 03 |
| 22.4 | 1.6 | | 14NAA | 81WIL | 02 |
| 22.4 | 0.3 | | ICPES | 80NAD | 01 |
| 22.6 | | | AA | 79SIL | 01 |
| 22.8 | 0.8 | | 14NAA | 81WIL | 01 |
| 23. | 1. | | EXRF | 77NIE | 01 |
| 23. | 6. | | 14NAA | 76BLO | 01 |
| 23.5 | 0.5 | 35 | IENA | 80GLA | 03 |
| 24.5 | 1.1 | | TCGS | 79AND | 01 |
| Sm (ppm) | | | | | |
| | 100. | L* | OES | 76WEW | 01 |
| 10.05 | 0.58 | * | ITNA | 73SHE | 01 |
| 10.4 | 0.9 | | IENA | 77ROW | 04 |
| 11. | 1. | | ITNA | 78MAC | 01 |
| 11.4 | 1.6 | | IENA | 76STE | 05 |
| 11.8 | 1.6 | | IENA | 77ROW | 03 |
| 12.1 | 0.4 | D* | TCGS | 80AND | 01 |
| 12.1 | 1. | D* | ITNA | 78RYA | 01 |
| 12.1 | 0.4 | | TCGS | 79FAI | 01 |
| 12.1 | 1.4 | | ITNA | 77ROW | 04 |
| 12.1 | 1. | | ITNA | 77CHA | 01 |
| 12.4 | 0.5 | | ITNA | 73ABE | 01 |
| 12.4 | 0.9 | | ITNA | 75OND | 01 |
| 12.4 | | | ITNA | 78WEA | 01 |
| 12.8 | 0.6 | | ITNA | 76WEW | 01 |
| 13. | | | ITNA | 83GLA | 01 |
| 13. | 0.3 | | TCGS | 79AND | 01 |
| 13. | 0.7 | | ITNA | 76RAG | 01 |
| 13.2 | | | ITNA | 82GLA | 02 |
| 13.4 | 0.7 | | ITNA | 76OND | 01 |
| 13.5 | 0.5 | | ITNA | 78LAU | 02 |
| 13.6 | 0.88 | | ITNA | 75NAD | 02 |
| 13.6 | 0.9 | | ITNA | 78NAD | 02 |
| 14.9 | 1. | 35 | ITNA | 81GLA | 03 |
| 15. | | | ITNA | 75KLE | 01 |
| 15.8 | 0.3 | * | ICPES | 81CHU | 01 |
| 20. | 3. | * | SSMS | 78SUG | 02 |
| Sn (ppm) | | | | | |
| 3. | | | UU | 80HEN | 01 |
| 5. | 2. | | EXRF | 77GIA | 01 |
| 5.7 | 0.6 | | NM | 81IMU | 01 |
| 6.7 | 1.4 | | XRF | 79SMI | 01 |
| 10. | 5. | | OES | 76WEW | 01 |

TABLE X (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 10.2 | 1.4 | D* | ITNA | 78RYA | 01 |
| 10.2 | 1.4 | | ITNA | 77CHA | 01 |
| 12. | 1. | | PAA | 76CHA | 01 |
| 12. | 1. | D* | PAA | 77CHA | 01 |
| 12.5 | 1.2 | | PAA | 74CHA | 01 |
| 12.7 | 0.82 | | HAA | 82NAD | 01 |
| 740. | 210. | * | ITNA | 73SHE | 01 |
| SO3 (ppm) | | | | | |
| | 100. | L* | UU | 80HEN | 01 |
| SO4 (%) | | | | | |
| 0.98 | | | UU | 80HEN | 01 |
| Sr (ppm) | | | | | |
| 126. | | * | EXRF | 78WEG | 01 |
| 869. | 33. | * | ITNA | 73SHE | 01 |
| 1200. | 300. | | ITNA | 76STE | 05 |
| 1244. | 6. | | PAA | 76KAT | 02 |
| 1244. | 9. | | PAA | 76KAT | 03 |
| 1250. | 230. | | ITNA | 76RAG | 01 |
| 1256. | 37. | | EXRF | 78PEL | 01 |
| 1260. | | 35 | IENA | 81GLA | 03 |
| 1260. | 30. | 5 | IENA | 80GLA | 03 |
| 1300. | 200. | | ITNA | 76OND | 01 |
| 1300. | | 35 | IENA | 81GLA | 04 |
| 1301. | | | XRF | 75KLE | 01 |
| 1310. | 60. | | 14NAA | 81WIL | 02 |
| 1310. | 50. | | 14NAA | 81WIL | 01 |
| 1340. | 100. | | ITNA | 78MAC | 01 |
| 1340. | | | AA | 79SIL | 01 |
| 1342. | 20. | | EXRF | 77GIA | 01 |
| 1360. | 110. | 5 | IENA | 76STE | 05 |
| 1370. | 120. | | PAA | 76CHA | 01 |
| 1370. | 120. | D* | PAA | 77CHA | 01 |
| 1373. | 95. | | PAA | 74CHA | 01 |
| 1375. | 28. | | ICPES | 81CHU | 01 |
| 1390. | | | ITNA | 75MIL | 01 |
| 1390. | | | XRF | 78CAM | 02 |
| 1406. | 80. | | ITNA | 75NAD | 02 |
| 1406. | 80. | | ITNA | 78NAD | 02 |
| 1410. | 400. | | 14NAA | 77VAN | 01 |
| 1430. | 30. | | XRF | 79SMI | 01 |
| 1430. | 60. | 5 | IENA | 76STE | 05 |
| 1480. | 60. | | ITNA | 77ROW | 04 |
| 1480. | 60. | | IENA | 77ROW | 03 |
| 1480. | 50. | | ITNA | 77MAE | 01 |
| 1500. | 180. | | ITNA | 77CHA | 01 |
| 1500. | | | UU | 80HEN | 01 |
| 1500. | 200. | | ITNA | 78LAU | 02 |
| 1500. | 180. | D* | ITNA | 78RYA | 01 |
| 1510. | 60. | 5 | IENA | 80GLA | 03 |
| 1520. | 35. | | IENA | 77ROW | 04 |
| 1541. | 188. | | ITNA | 81WAN | 01 |
| 1600. | 100. | 9 | ITNA | 78LAU | 02 |
| 1620. | | * | ICPES | 80FLO | 01 |
| 1700. | 300. | * | ITNA | 75OND | 01 |
| 1900. | 200. | * | ITNA | 73ABE | 01 |
| 2300. | 1100. | * | OES | 76WEW | 01 |
| 8000. | | * | XRF | 76WEW | 01 |

TABLE X (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Ta (ppm) | | | | | |
| | 22. | L* | EXRF | 77GIA | 01 |
| 1.6 | | * | ITNA | 75KLE | 01 |
| 1.74 | 0.12 | 35 | NAA | 81GLA | 04 |
| 1.74 | 0.1 | 35 | ITNA | 81GLA | 02 |
| 1.8 | | | ITNA | 78WEA | 01 |
| 1.8 | 0.2 | 35 | IENA | 80GLA | 03 |
| 1.8 | 0.3 | | ITNA | 76OND | 01 |
| 1.8 | 0.3 | | ITNA | 75OND | 01 |
| 1.81 | 0.08 | | ITNA | 83GLA | 01 |
| 1.9 | 0.25 | D* | ITNA | 78RYA | 01 |
| 1.9 | 0.25 | | ITNA | 77CHA | 01 |
| 1.9 | 0.2 | 35 | ITNA | 81GLA | 03 |
| 1.9 | 0.1 | | ITNA | 78LAU | 02 |
| 2. | 0.2 | | ITNA | 76RAG | 01 |
| 2. | 0.06 | | IENA | 77ROW | 03 |
| 2. | | | UU | 80HEN | 01 |
| 2. | 0.1 | | ITNA | 78MAC | 01 |
| 2. | 0.06 | D* | IENA | 77ROW | 04 |
| 2.01 | 0.14 | | ITNA | 77ROW | 04 |
| 2.04 | 0.03 | | ITNA | 75NAD | 02 |
| 2.04 | 0.03 | | ITNA | 78NAD | 02 |
| 2.1 | 0.2 | | ITNA | 81WAN | 01 |
| 2.2 | | * | ITNA | 75MIL | 01 |
| 2.74 | 0.25 | * | ITNA | 73SHE | 01 |
| 3.5 | 0.3 | * | ITNA | 73ABE | 01 |
| Tb (ppm) | | | | | |
| | 100. | L* | OES | 76WEW | 01 |
| 0.22 | 0.04 | * | ITNA | 73SHE | 01 |
| 1.2 | 0.2 | | ITNA | 78MAC | 01 |
| 1.5 | 0.4 | | ITNA | 76OND | 01 |
| 1.5 | 0.3 | | ITNA | 81WAN | 01 |
| 1.53 | 0.11 | | ITNA | 83GLA | 01 |
| 1.8 | | | ITNA | 75MIL | 01 |
| 1.87 | 0.15 | | ITNA | 76RAG | 01 |
| 1.9 | 0.1 | | ITNA | 78LAU | 02 |
| 1.9 | 0.3 | | ITNA | 75OND | 01 |
| 1.99 | 0.16 | | ITNA | 77ROW | 04 |
| 2. | 0.3 | | ITNA | 73ABE | 01 |
| 2. | 0.25 | | ITNA | 77CHA | 01 |
| 2. | 0.1 | 35 | NAA | 81GLA | 04 |
| 2. | 0.1 | 35 | IENA | 80GLA | 03 |
| 2. | 0.25 | D* | ITNA | 78RYA | 01 |
| 2.01 | 0.06 | D* | IENA | 77ROW | 04 |
| 2.01 | 0.06 | | IENA | 77ROW | 03 |
| 3.12 | 0.02 | * | ITNA | 75NAD | 02 |
| 3.12 | 0.02 | * | ITNA | 78NAD | 02 |
| 3.3 | 0.5 | * | SSMS | 78SUG | 02 |
| Te (ppm) | | | | | |
| | 0.5 | L* | UU | 80HEN | 01 |
| | 5. | L* | EXRF | 77GIA | 01 |
| 0.92 | 0.05 | | HAA | 82NAD | 01 |
| 2.3 | 0.3 | D* | PAA | 77CHA | 01 |
| 2.3 | 0.3 | | PAA | 76CHA | 01 |
| 2.32 | 0.2 | | PAA | 74CHA | 01 |
| 9.9 | 1.1 | *35 | RTNA | 75GLA | 01 |

TABLE X (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Th (ppm) | | | | | |
| 20. | | * | UU | 80HEN | 01 |
| 21. | 3. | | EXRF | 77GIA | 01 |
| 22.8 | 0.5 | | ITNA | 76BLO | 01 |
| 23.6 | 0.8 | | ITNA | 76RAG | 01 |
| 23.8 | 0.4 | | ITNA | 77ROW | 04 |
| 24. | 0.8 | | ITNA | 81WAN | 01 |
| 24. | 2. | | ITNA | 76OND | 01 |
| 24. | 1. | 35 | ITNA | 81GLA | 03 |
| 24. | 1. | | ITNA | 78LAU | 02 |
| 24. | 1. | 35 | IENA | 80GLA | 03 |
| 24. | 0.5 | | IENA | 77ROW | 03 |
| 24. | 2. | 35 | RTNA | 78GLA | 02 |
| 24. | 0.5 | D* | IENA | 77ROW | 04 |
| 24.4 | 2.2 | | ITNA | 75OND | 01 |
| 24.5 | 0.4 | | ITNA | 83GLA | 01 |
| 25. | 2. | | ITNA | 73SHE | 01 |
| 25. | 1. | 35 | ITNA | 81GLA | 02 |
| 25. | 0.9 | 35 | NAA | 81GLA | 04 |
| 26. | | | DNA | 75MIL | 01 |
| 26. | | | ITNA | 75MIL | 01 |
| 26. | | | ITNA | 75KLE | 01 |
| 26.2 | 1.3 | | GAMMA | 73ABE | 01 |
| 26.2 | 1.3 | | GAMMA | 75OND | 01 |
| 28. | 2. | | ITNA | 73ABE | 01 |
| 32.2 | 0.2 | * | ITNA | 78NAD | 02 |
| 32.2 | 0.2 | * | ITNA | 75NAD | 02 |
| Th-228 (PCi) | | | | | |
| 2.23 | 0.05 | D* | NM | 81CAS | 01 |
| 2.23 | 0.05 | | NM | 80CAS | 01 |
| Th-230 (PCi) | | | | | |
| 3.74 | 0.17 | D* | NM | 81CAS | 01 |
| 3.74 | 0.17 | | NM | 80CAS | 01 |
| Th-232 (PCi) | | | | | |
| 2.45 | 0.08 | D* | NM | 81CAS | 01 |
| 2.45 | 0.08 | | NM | 80CAS | 01 |
| Ti (ppm) | | | | | |
| 3000. | | * | XRF | 76WEW | 01 |
| 6000. | | * | UU | 80HEN | 01 |
| 6000. | 400. | * | ITNA | 78MAC | 01 |
| 6100. | 200. | * | ITNA | 75NAD | 02 |
| 6100. | 200. | * | ITNA | 78NAD | 02 |
| 6100. | | * | OES | 78SUG | 01 |
| 6420. | | | ITNA | 75KLE | 01 |
| 6800. | | | AA | 79SIL | 01 |
| 6800. | 1100. | | ITNA | 76OND | 01 |
| 6960. | | 35 | TCGS | 78GLA | 04 |
| 7000. | 700. | | ITNA | 76WEW | 01 |
| 7000. | 300. | | ITNA | 77ROW | 03 |
| 7000. | 300. | | ITNA | 76STE | 05 |
| 7000. | 100. | 35 | IENA | 80GLA | 03 |
| 7070. | 180. | | ICPES | 81CHU | 01 |
| 7100. | 100. | | ICPES | 80NAD | 01 |

TABLE X (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 7150. | 1200. | | ITNA | 76RAG | 01 |
| 7200. | 200. | 35 | NAA | 81GLA | 03 |
| 7200. | 200. | D* | TCGS | 80AND | 01 |
| 7200. | 200. | | TCGS | 79FAI | 01 |
| 7200. | 1400. | | OES | 76WEW | 01 |
| 7210. | 95. | | TCGS | 79AND | 01 |
| 7230. | 400. | | PAA | 74CHA | 01 |
| 7250. | 360. | | PAA | 76CHA | 01 |
| 7250. | 360. | D* | PAA | 77CHA | 01 |
| 7300. | 150. | | 14NAA | 81WIL | 01 |
| 7300. | 280. | D* | ITNA | 78RYA | 01 |
| 7300. | 400. | | PAA | 75OND | 01 |
| 7300. | | | XRF | 78CAM | 02 |
| 7300. | 280. | | ITNA | 77CHA | 01 |
| 7330. | | | ICPES | 80FLO | 01 |
| 7360. | 344. | | EXRF | 78PEL | 01 |
| 7400. | | | ITNA | 78WEA | 01 |
| 7400. | 500. | | ITNA | 78LAU | 02 |
| 7400. | 800. | | AA | 76OND | 01 |
| 7400. | 300. | | ITNA | 75OND | 01 |
| 7500. | | | ICPES | 80NAD | 01 |
| 7500. | | | EXRF | 78WEG | 01 |
| 7500. | 500. | 35 | ITNA | 81GLA | 02 |
| 7600. | 800. | | ITNA | 73ABE | 01 |
| 7600. | 200. | | 14NAA | 81WIL | 02 |
| 7660. | 100. | | PAA | 76KAT | 03 |
| 7660. | 70. | | PAA | 76KAT | 02 |
| 7700. | 300. | | XRF | 79SMI | 01 |
| 8200. | 1100. | * | ITNA | 81WAN | 01 |
| 8600. | 1100. | * | EXRF | 77GIA | 01 |
| 8700. | | * | AA | 76WEW | 01 |
| 8900. | 752. | * | ITNA | 73SHE | 01 |
| Tl (ppm) | | | | | |
| | 30. | L* | OES | 76WEW | 01 |
| 2. | | | UU | 80HEN | 01 |
| 3.5 | 0.5 | 6 | PAA | 82SEG | 01 |
| 3.5 | 0.5 | | PAA | 80SEG | 01 |
| 3.64 | 0.34 | | PAA | 74CHA | 01 |
| 3.7 | 0.4 | | PAA | 76CHA | 01 |
| 3.7 | 0.4 | D* | PAA | 77CHA | 01 |
| 3.8 | 0.27 | 8 | SSMS | 80KOP | 01 |
| 3.8 | 0.5 | 6 | PAA | 82SEG | 01 |
| 5. | | * | AA | 76WEW | 01 |
| 5.3 | | * | POT | 82CHR | 01 |
| 18. | 6. | * | 14NAA | 81WIL | 02 |
| 18. | 6. | * | 14NAA | 81WIL | 01 |
| Tm (ppm) | | | | | |
| | 30. | L* | OES | 76WEW | 01 |
| 1.3 | 0.3 | | SSMS | 78SUG | 02 |
| 1.3 | | | ITNA | 75MIL | 01 |
| U (ppm) | | | | | |
| 8.4 | 0.56 | * | ITNA | 73SHE | 01 |
| 8.6 | 1. | *35 | FLUOR | 78GLA | 01 |
| 9. | 6. | * | EXRF | 77GIA | 01 |
| 10.5 | 1. | | ITNA | 76RAG | 01 |
| 10.6 | | | ITNA | 81WAN | 01 |

TABLE X (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 10.6 | 0.6 | 35 | IENA | 78GLA | 01 |
| 11. | 0.4 | 6 | PAA | 82SEG | 01 |
| 11.1 | 1.7 | | ITNA | 76OND | 01 |
| 11.3 | 0.3 | | ITNA | 78NAD | 02 |
| 11.3 | 0.3 | | ITNA | 75NAD | 02 |
| 11.3 | 0.3 | 35 | DNA | 78GLA | 01 |
| 11.5 | 0.5 | 35 | DNA | 81GLA | 03 |
| 11.5 | 0.5 | 35 | IENA | 80GLA | 03 |
| 11.7 | | | DNA | 75MIL | 01 |
| 11.7 | 2. | | IDMS | 78CAR | 02 |
| 11.8 | | | IDMS | 75KLE | 01 |
| 11.9 | 0.6 | | PAA | 80SEG | 01 |
| 11.9 | 0.4 | 6 | PAA | 82SEG | 01 |
| 12. | 0.5 | | GAMMA | 73ABE | 01 |
| 12. | | | ITNA | 78WEA | 01 |
| 12. | 0.5 | D* | NAA | 74OND | 01 |
| 12. | 0.5 | | GAMMA | 75OND | 01 |
| 12.1 | 0.8 | 13 | PAA | 81SEG | 01 |
| 12.1 | 2. | 35 | RTNA | 75GLA | 01 |
| 12.2 | 0.6 | | IENA | 77ROW | 04 |
| 12.2 | 1. | 13 | PAA | 81SEG | 01 |
| 12.4 | 0.6 | | IENA | 77ROW | 03 |
| 12.7 | 0.5 | | IENA | 76STE | 05 |
| 12.8 | | | ITNA | 80EDD | 01 |
| 13.5 | 1.2 | | ITNA | 76STE | 05 |
| 13.8 | | * | ITNA | 75MIL | 01 |
| 15. | | * | UU | 80HEN | 01 |
| U-234 (PCi) | | | | | |
| 4.07 | 0.12 | | NM | 80CAS | 01 |
| 4.07 | 0.12 | D* | NM | 81CAS | 01 |
| U-235 (PCi) | | | | | |
| 0.179 | 0.012 | | NM | 80CAS | 01 |
| 0.179 | 0.012 | D* | NM | 81CAS | 01 |
| U-238 (PCi) | | | | | |
| 4.01 | 0.04 | | NM | 80CAS | 01 |
| 4.01 | 0.04 | D* | NM | 81CAS | 01 |
| V (ppm) | | | | | |
| | 200. | L* | XRF | 81COH | 02 |
| 151. | | *6 | SSMS | 78GUI | 01 |
| 174. | 55. | | XRF | 79SMI | 01 |
| 182. | | | XRF | 78CAM | 02 |
| 190. | 50. | | TCGS | 79FAI | 01 |
| 190. | 50. | D* | TCGS | 80AND | 01 |
| 196. | 10. | | ITNA | 78MAC | 01 |
| 200. | | | UU | 80HEN | 01 |
| 200. | 34. | | EXRF | 78PEL | 01 |
| 201. | 6. | | FAA | 76OWE | 01 |
| 204. | 15. | | ITNA | 76BLO | 01 |
| 208. | 12. | | PAA | 74CHA | 01 |
| 210. | | | OES | 78SUG | 01 |
| 210. | 12. | D* | PAA | 77CHA | 01 |
| 210. | 12. | | PAA | 76CHA | 01 |
| 216. | | | AA | 78GUI | 01 |
| 216. | | | EXRF | 78WEG | 01 |

TABLE X (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 219. | | | ICPES | 80NAD | 01 |
| 220. | 15. | | ITNA | 73ABE | 01 |
| 220. | 15. | | ITNA | 77CHA | 01 |
| 220. | 20. | 35 | ITNA | 81GLA | 03 |
| 220. | 15. | D* | ITNA | 78RYA | 01 |
| 221. | | | ITNA | 78WEA | 01 |
| 223. | 10. | | ITNA | 78NAD | 02 |
| 223. | 9.9 | | ITNA | 75NAD | 02 |
| 224. | 6.7 | | ICPES | 81CHU | 01 |
| 225. | 20. | | ITNA | 76WEW | 01 |
| 226. | | | FAA | 78GUI | 01 |
| 230. | 10.6 | | ITNA | 73SHE | 01 |
| 230. | 12. | | OES | 76WEW | 01 |
| 230. | 30. | 35 | IENA | 80GLA | 03 |
| 230. | 10. | 35 | ITNA | 81GLA | 02 |
| 230. | 10. | | ITNA | 78LAU | 02 |
| 233. | | | ICPES | 80FLO | 01 |
| 234. | 34. | | ITNA | 81WAN | 01 |
| 235. | 13. | D* | NAA | 74OND | 01 |
| 235. | 15. | | ITNA | 75OND | 01 |
| 237. | 20. | | ITNA | 77ROW | 03 |
| 237. | 20. | | ITNA | 76STE | 05 |
| 237. | 9. | | ITNA | 77MAE | 01 |
| 240. | | | ITNA | 75KLE | 01 |
| 270. | 60. | | ITNA | 76OND | 01 |
| 271. | | 6 | SSMS | 78GUI | 01 |
| 290. | 80. | * | ITNA | 76RAG | 01 |
| 295. | 156. | * | EXRF | 77GIA | 01 |
| 410. | | * | AA | 76WEW | 01 |
| W (ppm) | | | | | |
| | 19. | L* | EXRF | 77GIA | 01 |
| 3.8 | 0.7 | | ITNA | 81WAN | 01 |
| 3.9 | 0.4 | | IENA | 77ROW | 04 |
| 4. | 0.4 | | IENA | 77ROW | 03 |
| 4.2 | 0.4 | | IENA | 76STE | 05 |
| 4.5 | 1. | D* | ITNA | 78RYA | 01 |
| 4.5 | 1. | | ITNA | 77CHA | 01 |
| 4.6 | | | ITNA | 78WEA | 01 |
| 4.6 | 1.6 | | ITNA | 75OND | 01 |
| 4.8 | 1.5 | | ITNA | 76OND | 01 |
| 4.9 | 0.7 | 35 | RENA | 81GLA | 03 |
| 5. | | | UU | 80HEN | 01 |
| 5. | 1. | 35 | IENA | 80GLA | 03 |
| 5.2 | 0.3 | 35 | RTNA | 78GLA | 02 |
| 5.5 | 1.5 | | ITNA | 76RAG | 01 |
| 5.8 | 0.3 | 35 | NAA | 81GLA | 04 |
| 6. | 1. | | ITNA | 78MAC | 01 |
| 12.7 | 1.1 | * | ITNA | 73SHE | 01 |
| Y (ppm) | | | | | |
| 30. | | * | UU | 80HEN | 01 |
| 44. | 4.2 | | OES | 76WEW | 01 |
| 60. | 8. | | PAA | 77CHA | 01 |
| 60. | 5. | | EXRF | 77GIA | 01 |
| 62. | 10. | | PAA | 75OND | 01 |
| 65. | | | ICPES | 80FLO | 01 |
| 66. | | | XRF | 78CAM | 02 |
| 66. | 2. | | PAA | 76KAT | 03 |
| 67. | 1. | | PAA | 76KAT | 02 |

TABLE X (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 68. | 16. | | SSMS | 78SUG | 02 |
| 68. | 1. | | XRF | 79SMI | 01 |
| 150. | 15. | * | 14NAA | 81WIL | 02 |
| 150. | 7. | * | 14NAA | 81WIL | 01 |
| Yb (ppm) | | | | | |
| 4.7 | 0.4 | | ITNA | 78MAC | 01 |
| 4.8 | 0.6 | | ITNA | 76WEW | 01 |
| 5.5 | 0.3 | | ITNA | 78LAU | 02 |
| 5.5 | 1.4 | | ITNA | 78NAD | 02 |
| 5.53 | 0.14 | | ITNA | 75NAD | 02 |
| 5.7 | 0.56 | | OES | 76WEW | 01 |
| 5.7 | 0.6 | | ITNA | 76OND | 01 |
| 5.9 | 0.3 | | IENA | 77ROW | 04 |
| 5.9 | 0.3 | | ITNA | 76RAG | 01 |
| 6.1 | 0.18 | | ICPES | 81CHU | 01 |
| 6.2 | 3.4 | | ITNA | 73SHE | 01 |
| 6.2 | 0.2 | 5 | ITNA | 77ROW | 04 |
| 6.6 | 0.4 | D* | ITNA | 77ROW | 04 |
| 6.6 | 0.4 | | ITNA | 77ROW | 03 |
| 6.8 | | | ITNA | 75MIL | 01 |
| 7. | | | ICPES | 80FLO | 01 |
| 7. | 3. | | ITNA | 75OND | 01 |
| 7.2 | 2.1 | D* | ITNA | 78RYA | 01 |
| 7.2 | 2.1 | | ITNA | 77CHA | 01 |
| 8. | 0.5 | 35 | ITNA | 81GLA | 03 |
| 8.4 | 0.6 | | ITNA | 81WAN | 01 |
| 8.9 | 0.9 | * | ITNA | 73ABE | 01 |
| 9. | 1.4 | * | SSMS | 78SUG | 02 |
| Zn (ppm) | | | | | |
| | 420. | L* | 14NAA | 81WIL | 01 |
| | 300. | L* | 14NAA | 81WIL | 02 |
| 180.7 | 4. | * | AA | 74GAL | 01 |
| 195. | 23. | | RTNA | 74ORV | 01 |
| 198. | | | AA | 78GUI | 01 |
| 200. | | | EXRF | 78WEG | 01 |
| 200. | | | UU | 80HEN | 01 |
| 200. | 20. | | ITNA | 77CHA | 01 |
| 200. | 8. | | IENA | 77ROW | 04 |
| 200. | 10. | | EXRF | 78PEL | 01 |
| 200. | 20. | | ITNA | 78LAU | 02 |
| 200. | 20. | D* | ITNA | 78RYA | 01 |
| 200. | 10. | 9 | ITNA | 78LAU | 02 |
| 200.5 | 4. | | RTNA | 74GAL | 01 |
| 201. | 6. | | ITNA | 77ROW | 03 |
| 201. | 8. | | AA | 76OND | 01 |
| 201. | 6. | D* | ITNA | 77ROW | 04 |
| 201. | | | AE+AF | 77FEL | 01 |
| 202. | | | XRF | 78CAM | 02 |
| 204. | 12. | 35 | FAA | 81GLA | 03 |
| 204. | 13. | 5 | IENA | 80GLA | 03 |
| 205. | 10. | 6 | PAA | 82SEG | 01 |
| 205. | 20. | | PAA | 80SEG | 01 |
| 206. | 7.3 | | ITNA | 81WAN | 01 |
| 207. | | | ITNA | 78WEA | 01 |
| 208. | 9.5 | | AA | 80STO | 02 |
| 208. | | | XRF | 75KLE | 01 |
| 208.1 | 24. | | ITNA | 74GAL | 01 |
| 208.2 | 3.6 | | AA | 77MIT | 01 |
| 210. | 36. | | OES | 76WEW | 01 |

TABLE X (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 210. | | | OES | 78SUG | 01 |
| 210. | | | ICPES | 80NAD | 01 |
| 211. | | | ICPES | 80EPS | 03 |
| 212. | 14. | | ITNA | 78NAD | 02 |
| 212. | 14. | | ITNA | 75NAD | 02 |
| 212. | | | ICPES | 80FLO | 01 |
| 212. | 20. | | FAA | 76OWE | 01 |
| 212. | 7. | | XRF | 79SMI | 01 |
| 213.5 | 1. | | XRF | 74GAL | 01 |
| 214. | | | AA | 78GEL | 01 |
| 214. | 2. | | AF | 75EPS | 01 |
| 214. | 16. | | PAA | 74CHA | 01 |
| 214. | 2. | | AA | 75EPS | 01 |
| 215. | 20. | | NAA | 77JER | 01 |
| 215. | 20. | | PAA | 76CHA | 01 |
| 215. | 20. | D* | PAA | 77CHA | 01 |
| 216. | | | FAA | 80WAL | 01 |
| 216. | 25. | D* | NAA | 74OND | 01 |
| 216. | 25. | | PAA | 75OND | 01 |
| 216. | 14. | | EXRF | 77GIA | 01 |
| 216. | 2.4 | | AA | 74RAI | 01 |
| 219. | 4. | | ICPES | 79EPS | 01 |
| 220. | 10. | 6 | PAA | 82SEG | 01 |
| 220. | 5. | | ITNA | 76OND | 01 |
| 220. | 130. | | ITNA | 76BLO | 01 |
| 221. | 16. | 5 | IENA | 80GLA | 03 |
| 221. | | | AA | 79SIL | 01 |
| 221. | 16. | 35 | NAA | 81GLA | 04 |
| 228. | 6.9 | | ICPES | 81CHU | 01 |
| 230. | 40. | | ITNA | 76RAG | 01 |
| 234. | | | AA | 78WEG | 01 |
| 250. | | * | AA | 76WEW | 01 |
| 270. | | *6 | SSMS | 78GUI | 01 |
| 270. | 30. | * | ITNA | 78MAC | 01 |
| 283. | | *6 | SSMS | 78GUI | 01 |
| 308. | 75. | * | ITNA | 76WEW | 01 |
| 700. | 220. | * | ITNA | 73SHE | 01 |
| Zr (ppm) | | | | | |
| 160. | 34. | * | OES | 76WEW | 01 |
| 182. | 76. | | ITNA | 76RAG | 01 |
| 200. | | | UU | 80HEN | 01 |
| 223. | 6.7 | | ICPES | 81CHU | 01 |
| 286. | 8. | 35 | IENA | 81GLA | 04 |
| 288. | | | ICPES | 80FLO | 01 |
| 290. | 20. | 5 | IENA | 80GLA | 03 |
| 290. | 7. | | EXRF | 77GIA | 01 |
| 298. | 10. | | PAA | 76KAT | 03 |
| 298. | 6. | | PAA | 76KAT | 02 |
| 300. | 20. | D* | PAA | 77CHA | 01 |
| 300. | 20. | | PAA | 76CHA | 01 |
| 301. | 22. | | PAA | 74CHA | 01 |
| 301. | 20. | | PAA | 75OND | 01 |
| 305. | | | XRF | 78CAM | 02 |
| 310. | 20. | | ITNA | 77CHA | 01 |
| 310. | 20. | 9 | ITNA | 78LAU | 02 |
| 310. | 70. | D* | IENA | 77ROW | 04 |
| 310. | 20. | D* | ITNA | 78RYA | 01 |
| 310. | 70. | | IENA | 77ROW | 03 |
| 311. | 8. | | XRF | 79SMI | 01 |
| 340. | 50. | 5 | IENA | 80GLA | 03 |
| 380. | 20. | | 14NAA | 81WIL | 02 |

TABLE X (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 410. | | | ITNA | 77ROW | 04 |
| 410. | 20. | | 14NAA | 81WIL | 01 |
| 500. | | * | ITNA | 75MIL | 01 |
| 640. | 140. | * | ITNA | 73SHE | 01 |

TABLE Y

NBS SRM 1633A—COLLECTED DATA

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Ag (ppb) | | | | | |
| | 600. | L* | IENA | 80GLA | 03 |
| | 1100. | L* | ITNA | 82SUZ | 02 |
| Al (%) | | | | | |
| 13.8 | 0.32 | | ITNA | 82OBR | 01 |
| 14. | 0.2 | D* | TCGS | 80AND | 01 |
| 14. | 0.2 | | TCGS | 79FAI | 01 |
| 14.2 | 0.3 | 35 | ITNA | 81GLA | 02 |
| 14.2 | 0.3 | | ITNA | 80GAR | 01 |
| 14.2 | 0.4 | 35 | ITNA | 81GLA | 04 |
| 14.5 | 0.12 | | AA | 82NAD | 02 |
| 14.7 | 0.7 | | ITNA | 82SUZ | 02 |
| 14.81 | 0.2 | | ICPES | 82NAD | 02 |
| 15. | 0.43 | | CPXRF | 80KIR | 01 |
| As (ppm) | | | | | |
| 97. | 18. | * | CPXRF | 80KIR | 01 |
| 141. | 8. | | AE+AF | 82MAT | 01 |
| 142. | | | ITNA | 81SLO | 01 |
| 143. | | | RTNA | 81SLO | 01 |
| 145. | 8. | 35 | VV | 81GLA | 04 |
| 145. | 6. | | ITNA | 82SUZ | 02 |
| 145. | 11. | | IENA | 82GLA | 02 |
| 145.3 | 8.1 | | ITNA | 82OBR | 01 |
| 148. | 3. | 35 | IENA | 80GLA | 03 |
| B (ppm) | | | | | |
| 39. | 1. | | ICPES | 82OWE | 01 |
| 39. | 3. | 35 | TCGS | 81GLA | 04 |
| 39.2 | 0.7 | | TCGS | 79FAI | 01 |
| 39.2 | 0.7 | D* | TCGS | 80AND | 01 |
| 41.6 | 2. | | TCGS | 83GLA | 03 |
| Ba (ppm) | | | | | |
| 1060. | | | ITNA | 82GLA | 02 |
| 1100. | 100. | 9 | ITNA | 82SUZ | 02 |
| 1210. | 50. | | ITNA | 82SUZ | 02 |
| 1240. | 200. | 5 | IENA | 80GLA | 03 |
| 1400. | 20. | 5 | IENA | 80GLA | 03 |
| 1440. | 36. | | ITNA | 82OBR | 01 |
| 1450. | 110. | 35 | NAA | 81GLA | 04 |
| 1490. | 80. | | ITNA | 83GLA | 01 |
| 1500. | 100. | | CPXRF | 80KIR | 01 |
| 1500. | 90. | | ITNA | 80GAR | 01 |
| 1500. | 200. | 35 | ITNA | 81GLA | 02 |
| 1520. | 20. | 5 | IENA | 80GLA | 03 |
| 1600. | | | ICPES | 82NAD | 02 |
| 1760. | 300. | 5 | IENA | 80GLA | 03 |
| Br (ppm) | | | | | |
| | 10. | L* | IENA | 80GLA | 03 |
| 2.2 | 0.3 | | ITNA | 82SUZ | 02 |
| 2.4 | 0.1 | 5 | IENA | 80GLA | 03 |

TABLE Y (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Ca (%) | | | | | |
| 1.05 | 0.16 | 35 | ITNA | 81GLA | 02 |
| 1.09 | 0.01 | | AA | 82NAD | 02 |
| 1.1 | 0.3 | 35 | IENA | 80GLA | 03 |
| 1.1 | 0.1 | 35 | ITNA | 81GLA | 04 |
| 1.11 | 0.076 | | ITNA | 820BR | 01 |
| 1.11 | 0.03 | | ICPES | 82NAD | 02 |
| 1.12 | 0.08 | | ITNA | 80GAR | 01 |
| 1.14 | 0.04 | | AA | 82GLA | 02 |
| 1.16 | 0.21 | | ITNA | 82SUZ | 02 |
| 1.2 | 0.08 | | CPXRF | 80KIR | 01 |
| 1.29 | 0.11 | * | TCGS | 79FAI | 01 |
| 1.29 | 0.11 | D* | TCGS | 80AND | 01 |
| Cd (ppm) | | | | | |
| | 1.4 | L* | ITNA | 82SUZ | 02 |
| 1.07 | 0.05 | | TCGS | 79FAI | 01 |
| 1.07 | 0.05 | D* | TCGS | 80AND | 01 |
| Ce (ppm) | | | | | |
| 163. | 6. | | ITNA | 82GLA | 02 |
| 167. | 8. | | ITNA | 82SUZ | 02 |
| 170. | 6. | 35 | ITNA | 81GLA | 02 |
| 174. | 5. | 12 | ITNA | 82SUZ | 02 |
| 180. | 5. | 35 | NAA | 81GLA | 04 |
| 183. | 19. | | ITNA | 80GAR | 01 |
| 186. | 4. | 35 | IENA | 80GLA | 03 |
| 230. | 45. | * | CPXRF | 80KIR | 01 |
| Cl (ppm) | | | | | |
| | 69. | L* | ITNA | 82SUZ | 02 |
| Co (ppm) | | | | | |
| 37. | 3. | 35 | IENA | 80GLA | 03 |
| 38. | 13. | | CPXRF | 80KIR | 01 |
| 40. | | | ITNA | 82GLA | 02 |
| 44. | 1. | | ITNA | 82SUZ | 02 |
| 44. | 1. | 35 | ITNA | 81GLA | 02 |
| 44.8 | 0.8 | | ITNA | 83GLA | 01 |
| 46.2 | 1.8 | | ITNA | 80GAR | 01 |
| 47. | 4. | 35 | NAA | 81GLA | 04 |
| Cr (ppm) | | | | | |
| 185. | 7. | | ITNA | 82SUZ | 02 |
| 186. | 8. | 35 | ITNA | 81GLA | 02 |
| 191. | 13. | | ITNA | 82GLA | 02 |
| 192. | | | ICPES | 81WAL | 01 |
| 194. | 6. | 12 | ITNA | 82SUZ | 02 |
| 195. | 7. | | ITNA | 83GLA | 01 |
| 197. | 18. | 35 | ITNA | 81GLA | 04 |
| 197. | 13. | | ITNA | 80GAR | 01 |
| 200. | 11. | | CPXRF | 80KIR | 01 |
| Cs (ppm) | | | | | |
| 9.3 | 0.5 | | ITNA | 82GLA | 02 |
| 9.7 | 0.6 | 35 | ITNA | 81GLA | 02 |

TABLE Y (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 9.9 | 0.9 | | ITNA | 83GLA | 01 |
| 10.1 | 0.2 | 35 | IENA | 80GLA | 03 |
| 10.2 | 0.2 | | ITNA | 82SUZ | 02 |
| 10.5 | 0.3 | 35 | NAA | 81GLA | 04 |
| 10.6 | 1.1 | | ITNA | 80GAR | 01 |
| Cu (ppm) | | | | | |
| | 350. | L* | ITNA | 82SUZ | 02 |
| 120. | 5.2 | | CPXRF | 80KIR | 01 |
| Dy (ppm) | | | | | |
| 14.3 | 0.2 | 35 | ITNA | 81GLA | 02 |
| 14.5 | | 35 | ITNA | 81GLA | 04 |
| 15. | 3.3 | | ITNA | 820BR | 01 |
| 16.6 | 1.3 | | ITNA | 80GAR | 01 |
| 16.8 | 0.3 | | ITNA | 82SUZ | 02 |
| Eu (ppm) | | | | | |
| 2. | 2. | *35 | IENA | 80GLA | 03 |
| 2.98 | 0.33 | | ITNA | 80GAR | 01 |
| 3.19 | 0.08 | 35 | ITNA | 81GLA | 02 |
| 3.6 | 0.1 | | ITNA | 83GLA | 01 |
| 3.64 | 0.25 | | ITNA | 820BR | 01 |
| 3.7 | 0.2 | | ITNA | 82GLA | 02 |
| 3.7 | 0.2 | 35 | ITNA | 81GLA | 04 |
| 3.7 | 0.3 | | ITNA | 82SUZ | 02 |
| Fe (%) | | | | | |
| 8.84 | | * | AA | 82GLA | 02 |
| 8.88 | 0.07 | * | AA | 82NAD | 02 |
| 9.21 | 0.1 | | ICPES | 82NAD | 02 |
| 9.23 | 0.09 | 35 | ITNA | 81GLA | 02 |
| 9.36 | 0.49 | 35 | NAA | 81GLA | 04 |
| 9.4 | 0.3 | | ITNA | 82SUZ | 02 |
| 9.4 | 0.1 | 5 | IENA | 80GLA | 03 |
| 9.49 | 0.1 | | ITNA | 83GLA | 01 |
| 9.5 | 0.3 | | ITNA | 80GAR | 01 |
| 9.5 | 0.3 | 12 | ITNA | 82SUZ | 02 |
| 9.7 | 0.2 | 5 | IENA | 80GLA | 03 |
| 9.7 | 0.2 | | TCGS | 79FAI | 01 |
| 9.7 | 0.2 | D* | TCGS | 80AND | 01 |
| Ga (ppm) | | | | | |
| 51. | 5. | | ITNA | 82SUZ | 02 |
| 55. | 4.6 | | CPXRF | 80KIR | 01 |
| 55.7 | 4.5 | | ITNA | 820BR | 01 |
| 56. | | 35 | IENA | 81GLA | 04 |
| 59. | 1. | 35 | IENA | 80GLA | 03 |
| Gd (ppm) | | | | | |
| 15.3 | 0.2 | | TCGS | 79FAI | 01 |
| 23.5 | 0.3 | | TCGS | 80AND | 01 |
| H2O-T (%) | | | | | |
| 0.35 | | | FD | 80KHA | 02 |

TABLE Y (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| **Hf (ppm)** | | | | | |
| 6.3 | 0.7 | 9 | ITNA | 82SUZ | 02 |
| 6.6 | | | ITNA | 82GLA | 02 |
| 7.2 | 0.3 | 35 | ITNA | 81GLA | 02 |
| 7.2 | 0.8 | | ITNA | 82SUZ | 02 |
| 7.4 | 0.4 | | ITNA | 83GLA | 01 |
| 7.6 | 0.2 | 35 | NAA | 81GLA | 04 |
| 7.78 | 0.85 | | ITNA | 80GAR | 01 |
| 7.8 | 0.2 | 35 | IENA | 80GLA | 03 |
| **Hg (ppm)** | | | | | |
| | 0.63 | L* | ITNA | 82SUZ | 02 |
| | 0.42 | L* | ITNA | 82SUZ | 02 |
| 150. | 10. | | CVAA | 82GLA | 02 |
| 151. | 12. | | CVAA | 82D00 | 01 |
| **I (ppm)** | | | | | |
| | 5. | L* | ITNA | 82SUZ | 02 |
| **In (ppb)** | | | | | |
| 151. | 16. | | ITNA | 82SUZ | 02 |
| 160. | 30. | | ITNA | 820BR | 01 |
| **K (%)** | | | | | |
| 1.8 | 0.07 | | CPXRF | 80KIR | 01 |
| 1.82 | | | ITNA | 83GLA | 01 |
| 1.84 | 0.14 | | ITNA | 80GAR | 01 |
| 1.86 | 0.089 | | ITNA | 820BR | 01 |
| 1.86 | 0.12 | | ITNA | 82SUZ | 02 |
| 1.88 | 0.1 | 35 | ITNA | 81GLA | 04 |
| 1.88 | 0.04 | | ICPES | 82NAD | 02 |
| 1.93 | 0.03 | | AA | 82NAD | 02 |
| 1.96 | 0.02 | | AA | 82GLA | 02 |
| 1.97 | 0.04 | | TCGS | 79FAI | 01 |
| 1.97 | 0.04 | D* | TCGS | 80AND | 01 |
| 1.99 | 0.03 | 35 | IENA | 80GLA | 03 |
| **La (ppm)** | | | | | |
| 62. | 2. | * | ITNA | 82SUZ | 02 |
| 79. | | | ITNA | 83GLA | 01 |
| 81. | 1. | | ITNA | 82GLA | 02 |
| 83. | 4. | 35 | ITNA | 81GLA | 04 |
| 84. | 2. | | ITNA | 82GRA | 01 |
| 84. | 6. | 35 | IENA | 80GLA | 03 |
| 87.9 | 7. | | ITNA | 820BR | 01 |
| 100. | 23. | * | ITNA | 80GAR | 01 |
| **Lu (ppm)** | | | | | |
| 0.93 | 0.09 | | ITNA | 80GAR | 01 |
| 0.97 | 0.25 | | ITNA | 82GLA | 02 |
| 1.44 | 0.12 | | ITNA | 82SUZ | 02 |

TABLE Y (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| **Mg (ppm)** | | | | | |
| 3800. | 700. | | CPXRF | 80KIR | 01 |
| 4200. | | | AA | 82GLA | 02 |
| 4500. | 500. | | ITNA | 80GAR | 01 |
| 4590. | 30. | | AA | 82NAD | 02 |
| 4600. | 70. | | ICPES | 82NAD | 02 |
| 8000 | 1300. | * | ITNA | 82SUZ | 02 |
| **Mn (ppm)** | | | | | |
| 170. | 24. | | ITNA | 82SUZ | 02 |
| 182. | 3. | 35 | ITNA | 81GLA | 02 |
| 185. | 11. | | ITNA | 820BR | 01 |
| 190. | 15. | | TCGS | 79FAI | 01 |
| 190. | 15. | D* | TCGS | 80AND | 01 |
| 191. | 4. | | ITNA | 80GAR | 01 |
| 195. | 15. | | CPXRF | 80KIR | 01 |
| 210. | 50. | 35 | ITNA | 81GLA | 04 |
| 230. | | | ICPES | 82NAD | 02 |
| 260. | 20. | 35 | IENA | 80GLA | 03 |
| 277. | 7. | | ITNA | 83GLA | 01 |
| **Mo (ppm)** | | | | | |
| 27. | 6. | | ITNA | 82SUZ | 02 |
| 30. | 4.2 | | CPXRF | 80KIR | 01 |
| 36. | 1. | 35 | IENA | 80GLA | 03 |
| **Na (ppm)** | | | | | |
| 1560. | 70. | | AA | 82NAD | 02 |
| 1680. | 90. | | ITNA | 820BR | 01 |
| 1700. | 70. | | ICPES | 82NAD | 02 |
| 1720. | 50. | | ITNA | 80GAR | 01 |
| 1730. | 10. | | ITNA | 83GLA | 01 |
| 1740. | 100. | 35 | ITNA | 81GLA | 04 |
| 1750. | 50. | | ITNA | 82SUZ | 02 |
| 1760. | | | ITNA | 82GLA | 02 |
| 1800. | 100. | 35 | ITNA | 81GLA | 02 |
| 2020. | 400. | | ITNA | 82SCH | 05 |
| 2100. | 600. | * | TCGS | 79FAI | 01 |
| 2100. | 600. | D* | TCGS | 80AND | 01 |
| 2200. | 600. | * | CPXRF | 80KIR | 01 |
| **Nd (ppm)** | | | | | |
| 65.6 | 5.4 | | TCGS | 79FAI | 01 |
| 66. | 5. | | TCGS | 80AND | 01 |
| 71. | 3. | 35 | IENA | 80GLA | 03 |
| 113. | 7. | | ITNA | 82SUZ | 02 |
| 122. | 13. | *12 | ITNA | 82SUZ | 02 |
| **Ni (ppm)** | | | | | |
| 112. | 4.8 | | CPXRF | 80KIR | 01 |
| 117. | 6. | 35 | IENA | 80GLA | 03 |
| 128. | 6. | | ITNA | 82SUZ | 02 |
| 139. | 7. | 12 | ITNA | 82SUZ | 02 |

TABLE Y (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| O (%) | | | | | |
| 47.66 | 0.36 | 34 | 14NAA | 80KHA | 02 |
| P (ppm) | | | | | |
| 1700. | | | XRF | 81TUR | 01 |
| 1800. | 300. | | ICPES | 82NAD | 02 |
| 2000. | | | AA | 82NAD | 02 |
| Pb (ppm) | | | | | |
| 65. | 5.7 | | CPXRF | 80KIR | 01 |
| Pr (ppm) | | | | | |
| 17.9 | 1.7 | 12 | ITNA | 82SUZ | 02 |
| 18.9 | 1.1 | | ITNA | 82SUZ | 02 |
| Rb (ppm) | | | | | |
| 124. | 4. | | ITNA | 82SUZ | 02 |
| 130. | 26. | | ITNA | 80GAR | 01 |
| 134. | 16. | 35 | NAA | 81GLA | 04 |
| 134. | 8. | | ITNA | 83GLA | 01 |
| 138. | 8. | 12 | ITNA | 82SUZ | 02 |
| 147. | 8. | 35 | ITNA | 81GLA | 02 |
| 150. | 12. | | CPXRF | 80KIR | 01 |
| 163. | 2. | 35 | IENA | 80GLA | 03 |
| S (ppm) | | | | | |
| | 114000. | L* | ITNA | 82SUZ | 02 |
| 2700. | 200. | | TCGS | 79FAI | 01 |
| 2700. | 200. | D* | TCGS | 80AND | 01 |
| Sb (ppm) | | | | | |
| 6.3 | 0.2 | | ITNA | 82SUZ | 02 |
| 6.6 | | | ITNA | 82GLA | 02 |
| 6.95 | 0.22 | 35 | ITNA | 81GLA | 02 |
| 7.3 | 0.2 | | RTNA | 81SL0 | 01 |
| 7.7 | 0.5 | 35 | IENA | 80GLA | 03 |
| 7.8 | 1.5 | | ITNA | 80GAR | 01 |
| Sc (ppm) | | | | | |
| 34. | 4.2 | | CPXRF | 80KIR | 01 |
| 34. | 1. | | ITNA | 82SUZ | 02 |
| 36. | | | ITNA | 82GLA | 02 |
| 39. | 2. | | ITNA | 83GLA | 01 |
| 40. | 1. | 35 | ITNA | 81GLA | 02 |
| 40.6 | 1.3 | | ITNA | 80GAR | 01 |
| 41. | 2. | 35 | ITNA | 81GLA | 04 |
| 43. | 1. | 35 | IENA | 80GLA | 03 |
| Se (ppm) | | | | | |
| 7.8 | 2.1 | | CPXRF | 80KIR | 01 |
| 8.8 | 0.4 | 9 | ITNA | 82SUZ | 02 |
| 9.4 | 0.5 | | RTNA | 81SL0 | 01 |
| 9.4 | 0.3 | 35 | RTNA | 81GLA | 01 |

TABLE Y (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 10. | 2. | 35 | IENA | 80GLA | 03 |
| 10.2 | 0.6 | | ITNA | 82SUZ | 02 |
| 10.7 | 0.8 | 35 | NAA | 81GLA | 04 |
| Si (%) | | | | | |
| 18. | 0.93 | * | CPXRF | 80KIR | 01 |
| 22.2 | 0.4 | | TCGS | 79FAI | 01 |
| 22.2 | 0.4 | D* | TCGS | 80AND | 01 |
| 23.37 | 0.23 | | ICPES | 82NAD | 02 |
| 23.9 | 0.5 | | AA | 82GLA | 02 |
| 23.9 | 0.5 | 35 | IENA | 80GLA | 03 |
| 24.2 | 0.8 | | AA | 82NAD | 02 |
| Sm (ppm) | | | | | |
| 14.5 | 1.3 | 35 | ITNA | 81GLA | 04 |
| 16. | 0.2 | | TCGS | 79FAI | 01 |
| 16. | 0.2 | D* | TCGS | 80AND | 01 |
| 16.4 | 0.1 | | ITNA | 82GLA | 02 |
| 16.7 | | | ITNA | 83GLA | 01 |
| 18.8 | 0.6 | | ITNA | 820BR | 01 |
| 19.4 | 0.7 | | ITNA | 82SUZ | 02 |
| 20. | 4.4 | | ITNA | 80GAR | 01 |
| Sr (ppm) | | | | | |
| 740. | 20. | *5 | IENA | 80GLA | 03 |
| 770. | | 35 | IENA | 81GLA | 04 |
| 813. | 70. | | ITNA | 820BR | 01 |
| 815. | 7. | | IENA | 83GLA | 01 |
| 819. | 54. | | ITNA | 80GAR | 01 |
| 825. | 40. | | CPXRF | 80KIR | 01 |
| 840. | 40. | 12 | ITNA | 82SUZ | 02 |
| 840. | 30. | 5 | IENA | 80GLA | 03 |
| 850. | 70. | | ITNA | 82SUZ | 02 |
| Ta (ppm) | | | | | |
| 1.71 | 0.05 | | ITNA | 82SUZ | 02 |
| 1.8 | 0.2 | 35 | NAA | 81GLA | 04 |
| 1.8 | 0.1 | | ITNA | 83GLA | 01 |
| 1.8 | 0.12 | 35 | ITNA | 81GLA | 02 |
| 1.94 | | | ITNA | 82GLA | 02 |
| 2. | 0.5 | | ITNA | 80GAR | 01 |
| 2.1 | 0.2 | 35 | IENA | 80GLA | 03 |
| Tb (ppm) | | | | | |
| 2.1 | 0.1 | | ITNA | 82SUZ | 02 |
| 2.1 | 0.2 | | ITNA | 83GLA | 01 |
| 2.3 | 0.7 | | ITNA | 80GAR | 01 |
| 2.8 | 0.5 | 35 | NAA | 81GLA | 04 |
| 2.9 | 0.1 | 35 | IENA | 80GLA | 03 |
| Te (ppm) | | | | | |
| | 6.6 | L* | ITNA | 82SUZ | 02 |

TABLE Y (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Th (ppm) | | | | | |
| 22.4 | | | ITNA | 82GLA | 02 |
| 24.3 | 3.8 | | ITNA | 82SUZ | 02 |
| 24.6 | 0.9 | 35 | NAA | 81GLA | 04 |
| 24.6 | 1.1 | 35 | ITNA | 81GLA | 02 |
| 24.8 | 1.6 | | ITNA | 80GAR | 01 |
| 24.8 | 0.5 | | ITNA | 83GLA | 01 |
| 25. | 1. | 35 | IENA | 80GLA | 03 |
| 26. | 1.3 | 12 | ITNA | 82SUZ | 02 |
| 28. | 8.3 | * | CPXRF | 80KIR | 01 |
| Ti (ppm) | | | | | |
| 7800. | 300. | | ITNA | 82SUZ | 02 |
| 7880. | 540. | | ITNA | 82OBR | 01 |
| 8000. | 600. | 35 | NAA | 81GLA | 04 |
| 8000. | 800. | | CPXRF | 80KIR | 01 |
| 8060. | 370. | | ITNA | 80GAR | 01 |
| 8200. | 700. | 35 | ITNA | 81GLA | 02 |
| 8300. | | | ITNA | 83GLA | 01 |
| 8400. | 100. | 35 | IENA | 80GLA | 03 |
| 8400. | 100. | | TCGS | 79FAI | 01 |
| 8400. | 60. | | ICPES | 82NAD | 02 |
| 8400. | 100. | D* | TCGS | 80AND | 01 |
| 9000. | | * | AA | 82NAD | 02 |
| Tl (ppm) | | | | | |
| 4.4 | 1.3 | | CPXRF | 80KIR | 01 |
| U (ppm) | | | | | |
| 9.83 | 0.9 | * | IENA | 82OBR | 01 |
| 10.2 | 0.3 | | DNA | 82GLA | 02 |
| 10.2 | 0.1 | 35 | IENA | 80GLA | 03 |
| 10.2 | 0.2 | | DNA | 80GAR | 01 |
| 10.3 | 0.4 | | ITNA | 82SUZ | 02 |
| 10.4 | 0.3 | 17 | DNA | 82CON | 01 |
| 10.4 | 0.8 | | DNA | 83GLA | 01 |
| 10.47 | 0.09 | 35 | DNA | 80GLA | 01 |
| 10.6 | 0.4 | 35 | NAA | 81GLA | 04 |
| 10.7 | 0.3 | 17 | DNA | 82CON | 01 |
| 11. | 2.7 | * | CPXRF | 80KIR | 01 |
| V (ppm) | | | | | |
| 280. | | | ICPES | 81WAL | 01 |
| 280. | 18. | | CPXRF | 80KIR | 01 |
| 288. | 20. | | ITNA | 82OBR | 01 |
| 290. | 20. | 35 | IENA | 80GLA | 03 |
| 290. | 20. | | ITNA | 82SUZ | 02 |
| 292. | 16. | 35 | ITNA | 81GLA | 02 |
| 294. | 28. | 35 | ITNA | 81GLA | 04 |
| 301. | 8. | | ITNA | 80GAR | 01 |
| 360. | 40. | * | TCGS | 79FAI | 01 |
| 360. | 40. | D* | TCGS | 80AND | 01 |

TABLE Y (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| W (ppm) | | | | | |
| 5.4 | 0.4 | 35 | IENA | 80GLA | 03 |
| 5.4 | 0.8 | | ITNA | 82OBR | 01 |
| 5.4 | 0.4 | D* | NAA | 81GLA | 04 |
| 5.9 | 0.4 | | ITNA | 82SUZ | 02 |
| 6.9 | 1.2 | | RENA | 82GLA | 02 |
| Yb (ppm) | | | | | |
| 6.9 | 0.3 | | ITNA | 82SUZ | 02 |
| 7.5 | 0.5 | | ITNA | 82GLA | 02 |
| 8.2 | | 35 | ITNA | 81GLA | 04 |
| 10. | 1.8 | | ITNA | 80GAR | 01 |
| Zn (ppm) | | | | | |
| 218. | 18. | | CPXRF | 80KIR | 01 |
| 220. | 50. | | ITNA | 80GAR | 01 |
| 222. | 7. | 5 | IENA | 80GLA | 03 |
| 230. | | | AA | 82GLA | 02 |
| 250. | 20. | 12 | ITNA | 82SUZ | 02 |
| 250. | 30. | | ITNA | 82SUZ | 02 |
| 256. | 12. | 5 | IENA | 80GLA | 03 |
| Zr (ppm) | | | | | |
| 300. | 30. | 5 | IENA | 80GLA | 03 |
| 370. | 50. | 5 | IENA | 80GLA | 03 |
| 400. | 50. | 12 | ITNA | 82SUZ | 02 |
| 410. | 40. | | ITNA | 82SUZ | 02 |

## TABLE Z

### NBS SRM 1634—COLLECTED DATA

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| As (ppb) | | | | | |
| | 400. | L* | EXRF | 79GIA | 01 |
| 56. | | | ITNA | 77FIL | 01 |
| 63. | 3. | | ITNA | 78BER | 02 |
| 70. | | | ITNA | 78WEA | 01 |
| 95. | | | RTNA | 74ORV | 01 |
| 120. | | | ITNA | 81SHA | 01 |
| Au (ppb) | | | | | |
| 24. | | | ITNA | 73SHE | 01 |
| Br (ppb) | | | | | |
| 39. | | | ITNA | 77FIL | 01 |
| 39.1 | 5.3 | | UU | 77PAC | 01 |
| 40. | | | ITNA | 78WEA | 01 |
| 41. | 4. | | ITNA | 78BER | 02 |
| 240. | 70. | * | ITNA | 73SHE | 01 |
| Ca (ppm) | | | | | |
| 15. | 2. | | ITNA | 73SHE | 01 |
| Cd (ppb) | | | | | |
| | 10. | L* | RTNA | 74ORV | 01 |
| 5. | | | FAA | 74RAI | 01 |
| Cl (ppm) | | | | | |
| 7.8 | 0.5 | | UU | 77PAC | 01 |
| 8. | | | ITNA | 78WEA | 01 |
| 8.4 | 0.5 | | ITNA | 78BER | 02 |
| 18. | 0.7 | * | ITNA | 73SHE | 01 |
| Co (ppb) | | | | | |
| 250. | 10. | | ITNA | 73SHE | 01 |
| 301. | | | ITNA | 77FIL | 01 |
| 301. | 14. | | UU | 77PAC | 01 |
| 310. | 15. | | ITNA | 78BER | 02 |
| 400. | | | ITNA | 78WEA | 01 |
| Cr (ppb) | | | | | |
| | 6000. | L* | EXRF | 79GIA | 01 |
| 80. | | | ITNA | 81SHA | 01 |
| 93. | | | ITNA | 77FIL | 01 |
| 100. | | | ITNA | 78WEA | 01 |
| 116. | 35. | | ITNA | 73SHE | 01 |
| Cu (ppm) | | | | | |
| | 800. | L* | EXRF | 79GIA | 01 |
| 220. | 20. | | ITNA | 73SHE | 01 |

TABLE Z (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Fe (ppm) | | | | | |
| 10.8 | 3.3 | 32 | EXRF | 78KUB | 01 |
| 12.3 | | | POL | 74MAI | 01 |
| 12.4 | 1.6 | | ITNA | 73SHE | 01 |
| 12.5 | 2.2 | | UU | 77PAC | 01 |
| 13. | | | ICPES | 79MER | 01 |
| 13.5 | 1.2 | | ITNA | 81SHA | 01 |
| 14. | 1.5 | | EXRF | 79GIA | 01 |
| 14.1 | 0.6 | | AA | 74RAI | 01 |
| 14.2 | 1.5 | | ITNA | 78BER | 02 |
| 14.4 | 1.7 | 32 | EXRF | 78KUB | 01 |
| 15.1 | 2.4 | 32 | EXRF | 78KUB | 01 |
| 16.2 | 2.8 | 32 | EXRF | 78KUB | 01 |
| 16.9 | 2.5 | 32 | EXRF | 78KUB | 01 |
| 20. | | | ITNA | 77FIL | 01 |
| 25. | | * | ITNA | 78WEA | 01 |
| Hg (ppb) | | | | | |
| | 10. | L* | ITNA | 81SHA | 01 |
| | 10. | L* | ITNA | 77FIL | 01 |
| 2.3 | 0.2 | | RTNA | 74ORV | 01 |
| 22. | 15. | | ITNA | 73SHE | 01 |
| K (ppm) | | | | | |
| 315. | | | ITNA | 77FIL | 01 |
| Mn (ppb) | | | | | |
| | 300. | L* | ICPES | 79MER | 01 |
| | 3000. | L* | EXRF | 79GIA | 01 |
| 110. | 10. | | ITNA | 78BER | 02 |
| 190. | | | ITNA | 73SHE | 01 |
| 200. | | | ITNA | 81SHA | 01 |
| 320. | | | ITNA | 78WEA | 01 |
| Mo (ppb) | | | | | |
| 870. | 80. | | ITNA | 78BER | 02 |
| Na (ppm) | | | | | |
| 11.2 | | | ITNA | 77FIL | 01 |
| 11.2 | 0.7 | | UU | 77PAC | 01 |
| 12. | | | ITNA | 78WEA | 01 |
| 13.2 | 1.5 | | ITNA | 78BER | 02 |
| Ni (ppm) | | | | | |
| 31.1 | 2.1 | | AA | 74RAI | 01 |
| 32. | 2. | 32 | EXRF | 78KUB | 01 |
| 32. | 1.6 | | EXRF | 79GIA | 01 |
| 32. | 1. | 32 | EXRF | 78KUB | 01 |
| 33. | 1. | 32 | EXRF | 78KUB | 01 |
| 35. | 2. | 32 | EXRF | 78KUB | 01 |

TABLE Z (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 35.2 | | | POL | 74MAI | 01 |
| 36. | 1. | 32 | EXRF | 78KUB | 01 |
| 36.7 | | | ICPES | 79MER | 01 |
| 37. | 2. | | ITNA | 78BER | 02 |
| 37.4 | | | ITNA | 77FIL | 01 |
| 37.4 | 1.5 | | UU | 77PAC | 01 |
| 38.1 | | 6 | IDMS | 74MOO | 01 |
| 38.1 | | 6 | IDMS | 74MOO | 01 |
| 38.2 | | 6 | IDMS | 74MOO | 01 |
| 39.5 | 2.26 | | ITNA | 73SHE | 01 |
| **Pb (ppb)** | | | | | |
| | 500. | * | ICPES | 79MER | 01 |
| | 1500. | L* | EXRF | 79GIA | 01 |
| 41. | | | POL | 74MAI | 01 |
| 50. | | | FAA | 74RAI | 01 |
| **S (%)** | | | | | |
| 2. | 0.1 | | TITR | 80MCC | 01 |
| 2. | 0.2 | | MECA | 80MCC | 01 |
| 2.04 | 0.39 | | ITNA | 73SHE | 01 |
| 2.05 | 0.4 | | UU | 77PAC | 01 |
| 2.154 | 0.009 | | IC | 80MCC | 01 |
| 2.17 | | | XRF | 80MCC | 01 |
| 2.24 | 0.05 | | ICPES | 81WAL | 02 |
| 2.24 | 0.05 | | ITNA | 81SHA | 01 |
| 2.3 | 0.3 | | ITNA | 78BER | 02 |
| **Sb (ppb)** | | | | | |
| 10. | | | ITNA | 77FIL | 01 |
| 10. | | | ITNA | 78WEA | 01 |
| 14. | 3. | | ITNA | 73SHE | 01 |
| **Se (ppb)** | | | | | |
| 138. | 60. | * | RTNA | 74ORV | 01 |
| 170. | | | ITNA | 77FIL | 01 |
| 190. | 30. | | ITNA | 73SHE | 01 |
| 200. | | | ITNA | 78WEA | 01 |
| **V (ppm)** | | | | | |
| 266. | 18. | | ITNA | 73SHE | 01 |
| 283. | 12. | | EXRF | 79GIA | 01 |
| 300. | | | ITNA | 81SHA | 01 |
| 303. | 18. | 32 | EXRF | 78KUB | 01 |
| 310. | | | ITNA | 78WEA | 01 |
| 310. | 5. | 32 | EXRF | 78KUB | 01 |
| 311. | 7. | 32 | EXRF | 78KUB | 01 |
| 312. | 16.4 | | UU | 77PAC | 01 |
| 314. | | | ICPES | 79MER | 01 |
| 317. | 6. | | GC | 81DIL | 01 |
| 318. | 15. | | ITNA | 78BER | 02 |
| 323. | 9. | 32 | EXRF | 78KUB | 01 |
| 325. | 11. | 32 | EXRF | 78KUB | 01 |
| 326. | 6.8 | | AA | 74RAI | 01 |

TABLE Z (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| **Zn (ppb)** | | | | | |
| | 1000. | L* | ITNA | 81SHA | 01 |
| | 600. | * | ICPES | 79MER | 01 |
| | 600. | L* | EXRF | 79GIA | 01 |
| 170. | 20. | | RTNA | 74ORV | 01 |
| 300. | | | ITNA | 78WEA | 01 |
| 480. | 120. | | ITNA | 73SHE | 01 |

TABLE AA

NBS SRM 1635—COLLECTED DATA

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Ag (ppm) | | | | | |
| | 2.5 | L* | WXRF | 82MIL | 01 |
| | 0.038 | L* | ITNA | 82SUZ | 02 |
| Al (ppm) | | | | | |
| 3000. | 300. | | ITNA | 80GER | 01 |
| 3000. | 300. | | ITNA | 82SUZ | 02 |
| 3400. | 400. | D* | TCGS | 80GER | 01 |
| 3400. | 400. | | TCGS | 79FAI | 01 |
| 3400. | 400. | D* | TCGS | 80AND | 01 |
| As (ppb) | | | | | |
| 280. | 20. | | HAA | 82NAD | 01 |
| 320. | | | FAA | 82WIL | 01 |
| 330. | | | AF | 82WIL | 01 |
| 400. | 50. | | ITNA | 82SUZ | 02 |
| 440. | 50. | | RTNA | 78GAL | 01 |
| 700. | 400. | * | ITNA | 80GER | 01 |
| 700. | | *34 | WXRF | 82MIL | 01 |
| Ash (%) | | | | | |
| 4.8 | | 34 | CB | 82MIL | 01 |
| B (ppm) | | | | | |
| 104.5 | 2.6 | | TCGS | 79FAI | 01 |
| 105. | 3. | D* | TCGS | 80GER | 01 |
| 105. | 3. | | TCGS | 80AND | 01 |
| 135. | 11. | | ITNA | 82SCH | 05 |
| Ba (ppm) | | | | | |
| | 2800. | L* | ITNA | 80TOU | 01 |
| 67. | 20. | 9 | ITNA | 82SUZ | 02 |
| 70. | 9. | | ITNA | 80GER | 01 |
| 72. | 17. | 5 | ITNA | 80TOU | 01 |
| 77. | 24. | | ITNA | 82SUZ | 02 |
| 81. | | 34 | WXRF | 82MIL | 01 |
| Bi (ppm) | | | | | |
| | 1. | L* | WXRF | 82MIL | 01 |
| Br (ppm) | | | | | |
| | 170. | L* | ITNA | 80TOU | 01 |
| 1.07 | 0.17 | | ITNA | 82SUZ | 02 |
| 1.6 | 0.3 | | ITNA | 80GER | 01 |
| 1.9 | 0.2 | 5 | ITNA | 80TOU | 01 |
| 3. | | 34 | WXRF | 82MIL | 01 |
| C (%) | | | | | |
| 59. | 3. | D* | TCGS | 80GER | 01 |
| 59. | 3. | | TCGS | 79FAI | 01 |
| 59. | 3. | D* | TCGS | 80AND | 01 |
| 66.23 | 0.06 | | CB | 80SCH | 02 |

TABLE AA (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Ca (ppm) | | | | | |
| 5400. | 200. | | TCGS | 79FAI | 01 |
| 5400. | 200. | D* | TCGS | 80GER | 01 |
| 5400. | 200. | D* | TCGS | 80AND | 01 |
| 5500. | 900. | | ITNA | 82SUZ | 02 |
| 5700. | 700. | | ITNA | 80GER | 01 |
| Cd (ppb) | | | | | |
| | 3000. | L* | WXRF | 82MIL | 01 |
| | 380. | L* | ITNA | 82SUZ | 02 |
| 29. | 3. | | RTNA | 78GAL | 01 |
| Ce (ppm) | | | | | |
| 3.3 | 0.2 | 12 | ITNA | 82SUZ | 02 |
| 3.4 | 0.2 | | ITNA | 82SUZ | 02 |
| 3.5 | 0.5 | | ITNA | 80GER | 01 |
| 8. | | *34 | WXRF | 82MIL | 01 |
| Cl (ppm) | | | | | |
| | 30. | L* | ITNA | 82SUZ | 02 |
| 26. | 2. | D* | TCGS | 80GER | 01 |
| 26. | 2. | | TCGS | 79FAI | 01 |
| 26. | 4. | | ITNA | 80GER | 01 |
| 26. | 2. | D* | TCGS | 80AND | 01 |
| 36. | | 34 | WXRF | 82MIL | 01 |
| Co (ppm) | | | | | |
| 0.62 | 0.06 | | ITNA | 82SUZ | 02 |
| 0.7 | | 34 | WXRF | 82MIL | 01 |
| 0.59 | 0.06 | | ITNA | 80GER | 01 |
| Cr (ppm) | | | | | |
| 2. | | 34 | WXRF | 82MIL | 01 |
| 2.3 | 0.2 | | ITNA | 80GER | 01 |
| 2.48 | 0.08 | | RTNA | 78GAL | 01 |
| 2.5 | 0.2 | 12 | ITNA | 82SUZ | 02 |
| 2.6 | 0.3 | | ITNA | 82SUZ | 02 |
| Cs (ppb) | | | | | |
| | 500. | L* | WXRF | 82MIL | 01 |
| 46. | 5. | | ITNA | 80GER | 01 |
| 53. | 6. | | ITNA | 82SUZ | 02 |
| Cu (ppm) | | | | | |
| | 46. | L* | ITNA | 82SUZ | 02 |
| 3. | | 34 | WXRF | 82MIL | 01 |
| 3.56 | 0.18 | | RTNA | 78GAL | 01 |
| Dy (ppb) | | | | | |
| | 740. | L* | ITNA | 82SUZ | 02 |
| | 2000. | L* | WXRF | 82MIL | 01 |
| 310. | 40. | | ITNA | 80GER | 01 |

TABLE AA (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Er (ppb) | | | | | |
| | 2000. | L* | WXRF | 82MIL | 01 |
| Eu (ppb) | | | | | |
| | 1000. | L* | WXRF | 82MIL | 01 |
| 59. | 2. | | ITNA | 82SUZ | 02 |
| 61. | 7. | | ITNA | 80GER | 01 |
| F (ppm) | | | | | |
| 20. | | | ISE | 83KNA | 01 |
| Fe (ppm) | | | | | |
| 2200. | 100. | D* | TCGS | 80GER | 01 |
| 2200. | 100. | | TCGS | 79FAI | 01 |
| 2200. | 100. | D* | TCGS | 80AND | 01 |
| 2300. | 200. | | ITNA | 80GER | 01 |
| 2330. | 240. | 12 | ITNA | 82SUZ | 02 |
| 2340. | 140. | 12 | ITNA | 82SUZ | 02 |
| Ga (ppm) | | | | | |
| | 2. | L* | ITNA | 82SUZ | 02 |
| 1.1 | | 34 | WXRF | 82MIL | 01 |
| Gd (ppb) | | | | | |
| | 1500. | L* | WXRF | 82MIL | 01 |
| 230. | 10. | | TCGS | 79FAI | 01 |
| 350. | 20. | | TCGS | 80AND | 01 |
| Ge (ppm) | | | | | |
| 0.5 | | 34 | WXRF | 82MIL | 01 |
| H (%) | | | | | |
| 3.96 | 0.03 | | TCGS | 79FAI | 01 |
| 3.96 | 0.03 | D* | TCGS | 80AND | 01 |
| 3.96 | 0.03 | D* | TCGS | 80GER | 01 |
| 4.18 | 0.14 | | CB | 80SCH | 02 |
| H2O-T (%) | | | | | |
| 14. | | | FD | 80KHA | 02 |
| Hf (ppb) | | | | | |
| | 2000. | L* | WXRF | 82MIL | 01 |
| 240. | 40. | 9 | ITNA | 82SUZ | 02 |
| 270. | 40. | | ITNA | 80GER | 01 |
| 290. | 20. | | ITNA | 82SUZ | 02 |
| Hg (ppb) | | | | | |
| | 1500. | L* | WXRF | 82MIL | 01 |
| | 56. | L* | ITNA | 82SUZ | 02 |
| 5. | 15. | R* | CVAA | 82DOO | 01 |
| 35. | 11. | 12 | ITNA | 82SUZ | 02 |

TABLE AA (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Ho (ppm) | | | | | |
| | 1.5 | L* | WXRF | 82MIL | 01 |
| I (ppb) | | | | | |
| | 1300. | L* | WXRF | 82MIL | 01 |
| | 860. | L* | ITNA | 82SUZ | 02 |
| 600. | 300. | | ITNA | 80GER | 01 |
| In (ppb) | | | | | |
| | 1000. | L* | WXRF | 82MIL | 01 |
| | 31. | L* | ITNA | 82SUZ | 02 |
| 5. | 2. | | ITNA | 80GER | 01 |
| K (ppm) | | | | | |
| 90. | 90. | | ITNA | 82SUZ | 02 |
| 97. | 6. | | TCGS | 79FAI | 01 |
| 97. | 6. | D* | TCGS | 80GER | 01 |
| 97. | 6. | D* | TCGS | 80AND | 01 |
| 120. | 10. | | ITNA | 80GER | 01 |
| La (ppm) | | | | | |
| 1.38 | 0.07 | | ITNA | 82SUZ | 02 |
| 2. | | 34 | WXRF | 82MIL | 01 |
| 2.1 | 0.3 | | ITNA | 80GER | 01 |
| Lu (ppb) | | | | | |
| | 2000. | L* | WXRF | 82MIL | 01 |
| 27. | 4. | | ITNA | 80GER | 01 |
| 36. | 7. | | ITNA | 82SUZ | 02 |
| Mg (ppm) | | | | | |
| 940. | 190. | | ITNA | 82SUZ | 02 |
| 1000. | 200. | | ITNA | 80GER | 01 |
| Mn (ppm) | | | | | |
| 19. | 1.2 | | ITNA | 82SUZ | 02 |
| 22. | 3. | | ITNA | 80GER | 01 |
| 23. | | 34 | WXRF | 82MIL | 01 |
| 24. | 7. | | TCGS | 79FAI | 01 |
| 24. | 7. | D* | TCGS | 80AND | 01 |
| 24. | 7. | D* | TCGS | 80GER | 01 |
| Mo (ppb) | | | | | |
| | 1000. | L* | WXRF | 82MIL | 01 |
| 270. | 100. | | ITNA | 82SUZ | 02 |
| N (%) | | | | | |
| 1. | 0.1 | | TCGS | 79FAI | 01 |
| 1. | 0.1 | D* | TCGS | 80AND | 01 |
| 1. | 0.1 | D* | TCGS | 80GER | 01 |
| 1.52 | 0.02 | | CB | 80SCH | 02 |

TABLE AA (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Na (ppm) | | | | | |
| 2200. | 160. | | ITNA | 82SCH | 05 |
| 2400. | 200. | | ITNA | 80GER | 01 |
| 2400. | 200. | | ITNA | 82SUZ | 02 |
| 2420. | | 34 | WXRF | 82MIL | 01 |
| 2700. | 50. | | TCGS | 79FAI | 01 |
| 2700. | 50. | D* | TCGS | 80GER | 01 |
| 2700. | 50. | D* | TCGS | 80AND | 01 |
| Nb (ppm) | | | | | |
| | 1. | L* | WXRF | 82MIL | 01 |
| Nd (ppm) | | | | | |
| | 1.8 | L* | ITNA | 82SUZ | 02 |
| | 1.6 | L* | ITNA | 82SUZ | 02 |
| | 1. | L* | WXRF | 82MIL | 01 |
| 1.4 | 0.2 | | ITNA | 80GER | 01 |
| Ni (ppm) | | | | | |
| 1.72 | 0.32 | | ITNA | 82SUZ | 02 |
| 1.83 | 0.23 | 12 | ITNA | 82SUZ | 02 |
| 3. | | 34 | WXRF | 82MIL | 01 |
| O (%) | | | | | |
| 20.79 | 0.19 | 34 | 14NAA | 80KHA | 02 |
| 33. | 1.6 | | 14NAA | 80NAD | 01 |
| 34.99 | 0.32 | 35 | 14NAA | 80KHA | 02 |
| P (ppm) | | | | | |
| 63. | | 34 | WXRF | 82MIL | 01 |
| Pb (ppm) | | | | | |
| 1.48 | 0.21 | | HAA | 82NAD | 01 |
| 2.6 | | 34 | WXRF | 82MIL | 01 |
| Pb-210 (PCi) | | | | | |
| 0.069 | 0.001 | | NM | 80CAS | 01 |
| 0.07 | 0.001 | D* | NM | 81CAS | 01 |
| Pr (ppm) | | | | | |
| | 4.3 | L* | ITNA | 82SUZ | 02 |
| | 1. | L* | WXRF | 82MIL | 01 |
| | 4.4 | L* | ITNA | 82SUZ | 02 |
| Rb (ppm) | | | | | |
| | 0.3 | L* | WXRF | 82MIL | 01 |
| 0.76 | 0.09 | | ITNA | 82SUZ | 02 |
| 0.83 | 0.08 | 12 | ITNA | 82SUZ | 02 |

TABLE AA (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| S (ppm) | | | | | |
| | 19000. | L* | ITNA | 82SUZ | 02 |
| 3200. | 100. | | TCGS | 79FAI | 01 |
| 3200. | 100. | D* | TCGS | 80GER | 01 |
| 3200. | 100. | D* | TCGS | 80AND | 01 |
| Sb (ppb) | | | | | |
| | 1000. | L* | WXRF | 82MIL | 01 |
| 120. | 10. | | RTNA | 78GAL | 01 |
| 130. | 10. | | HAA | 82NAD | 01 |
| 140. | 10. | | ITNA | 80GER | 01 |
| 160. | 30. | | ITNA | 82SUZ | 02 |
| 170. | 40. | 5 | ITNA | 80TOU | 01 |
| Sc (ppb) | | | | | |
| | 1200. | L* | ITNA | 80TOU | 01 |
| 560. | 50. | | ITNA | 82SUZ | 02 |
| 690. | 70. | | ITNA | 80GER | 01 |
| 700. | 30. | 5 | ITNA | 80TOU | 01 |
| 900. | | 34 | WXRF | 82MIL | 01 |
| Se (ppm) | | | | | |
| 0.79 | 0.07 | | HAA | 82NAD | 01 |
| 0.8 | 0.2 | | RTNA | 80KNA | 01 |
| 0.82 | 0.04 | | RTNA | 78GAL | 01 |
| 0.9 | | | AF | 82WIL | 01 |
| 0.9 | | | FAA | 82WIL | 01 |
| 0.94 | 0.11 | | ITNA | 82SUZ | 02 |
| 0.98 | 0.09 | | ITNA | 80GER | 01 |
| 0.99 | 0.11 | 9 | ITNA | 82SUZ | 02 |
| 1.2 | | *34 | WXRF | 82MIL | 01 |
| Si (ppm) | | | | | |
| 5200. | 200. | | TCGS | 79FAI | 01 |
| 5200. | 200. | D* | TCGS | 80GER | 01 |
| 5200. | 200. | D* | TCGS | 80AND | 01 |
| 5600. | 700. | | 14NAA | 80GER | 01 |
| Sm (ppb) | | | | | |
| | 39000. | L* | ITNA | 80TOU | 01 |
| | 1000. | L* | WXRF | 82MIL | 01 |
| 250. | 10. | | TCGS | 79FAI | 01 |
| 250. | 10. | D* | TCGS | 80GER | 01 |
| 250. | 10. | D* | TCGS | 80AND | 01 |
| 270. | 10. | 5 | ITNA | 80TOU | 01 |
| 300. | 40. | | ITNA | 80GER | 01 |
| 340. | 30. | | ITNA | 82SUZ | 02 |
| Sn (ppm) | | | | | |
| | 0.6 | L* | WXRF | 82MIL | 01 |

TABLE AA (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Sr (ppm) | | | | | |
| 118. | 8. | | ITNA | 82SUZ | 02 |
| 127. | 24. | 12 | ITNA | 82SUZ | 02 |
| 129. | 14. | | ITNA | 80GER | 01 |
| 140. | | 34 | WXRF | 82MIL | 01 |
| Ta (ppb) | | | | | |
| | 1000. | L* | WXRF | 82MIL | 01 |
| 44. | 6. | | ITNA | 82SUZ | 02 |
| 46. | 9. | | ITNA | 80GER | 01 |
| Tb (ppb) | | | | | |
| | 2000. | L* | WXRF | 82MIL | 01 |
| 35. | 3. | | ITNA | 82SUZ | 02 |
| Te (ppb) | | | | | |
| | 290. | L* | ITNA | 82SUZ | 02 |
| 600. | | 34 | WXRF | 82MIL | 01 |
| Th (ppb) | | | | | |
| | 1000. | L* | WXRF | 82MIL | 01 |
| 580. | 40. | | ITNA | 82SUZ | 02 |
| 610. | 70. | 12 | ITNA | 82SUZ | 02 |
| 640. | 50. | 5 | ITNA | 80TOU | 01 |
| 640. | 60. | | ITNA | 80GER | 01 |
| Th-228 (FCi) | | | | | |
| 64.8 | 4.1 | D* | NM | 81CAS | 01 |
| 64.8 | 4.1 | | NM | 80CAS | 01 |
| Th-230 (FCi) | | | | | |
| 76.5 | 7.9 | D* | NM | 81CAS | 01 |
| 76.5 | 7.9 | | NM | 80CAS | 01 |
| Th-232 (FCi) | | | | | |
| 61.9 | 7.7 | D* | NM | 81CAS | 01 |
| 61.9 | 7.7 | | NM | 80CAS | 01 |
| Ti (ppm) | | | | | |
| 190. | 20. | | TCGS | 79FAI | 01 |
| 190. | 20. | D* | TCGS | 80AND | 01 |
| 190. | 20. | D* | TCGS | 80GER | 01 |
| 200. | | 34 | WXRF | 82MIL | 01 |
| 210. | 20. | | ITNA | 80GER | 01 |
| 210. | 50. | | ITNA | 82SUZ | 02 |
| Tl (ppm) | | | | | |
| | 1. | L* | WXRF | 82MIL | 01 |
| Tm (ppm) | | | | | |
| | 1. | L* | WXRF | 82MIL | 01 |

TABLE AA (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| U (ppb) | | | | | |
| | 23000. | L* | ITNA | 80TOU | 01 |
| | 1000. | L* | WXRF | 82MIL | 01 |
| 200. | 50. | | ITNA | 80GER | 01 |
| 240. | 30. | | ITNA | 82SUZ | 02 |
| 320. | 40. | 5 | ITNA | 80TOU | 01 |
| U-234 (FCi) | | | | | |
| 71.9 | 4.4 | | NM | 80CAS | 01 |
| 71.9 | 4.4 | D* | NM | 81CAS | 01 |
| U-235 (FCi) | | | | | |
| 4.9 | 0.3 | | NM | 80CAS | 01 |
| 4.9 | 0.3 | D* | NM | 81CAS | 01 |
| U-238 (PCi) | | | | | |
| 0.073 | 0.004 | | NM | 80CAS | 01 |
| 0.073 | 0.004 | D* | NM | 81CAS | 01 |
| V (ppm) | | | | | |
| 4. | | 34 | WXRF | 82MIL | 01 |
| 4.3 | 0.3 | | ITNA | 82SUZ | 02 |
| 4.5 | 0.05 | | ITNA | 80GER | 01 |
| W (ppm) | | | | | |
| | 1. | L* | WXRF | 82MIL | 01 |
| 0.173 | 0.051 | | ITNA | 82SUZ | 02 |
| Y (ppm) | | | | | |
| 1.9 | | 34 | WXRF | 82MIL | 01 |
| Yb (ppb) | | | | | |
| | 2000. | L* | WXRF | 82MIL | 01 |
| 140. | 20. | | ITNA | 80GER | 01 |
| 170. | 60. | 5 | ITNA | 80TOU | 01 |
| 175. | 12. | | ITNA | 82SUZ | 02 |
| Zn (ppm) | | | | | |
| 5.6 | | 34 | WXRF | 82MIL | 01 |
| 6.6 | 1.4 | 12 | ITNA | 82SUZ | 02 |
| 7.5 | 2.2 | | ITNA | 80GER | 01 |
| 7.8 | 1.2 | | ITNA | 82SUZ | 02 |
| Zr (ppm) | | | | | |
| 15. | | 34 | WXRF | 82MIL | 01 |
| 15.7 | 4.3 | 12 | ITNA | 82SUZ | 02 |
| 16. | 3. | | ITNA | 80GER | 01 |
| 19.4 | 3.3 | * | ITNA | 82SUZ | 02 |

TABLE BB

NBS SRM 1641—COLLECTED DATA

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Hg (ppm) | | | | | |
| 1.47 | 0.17 | | CVAA | 82GLA | 02 |

TABLE CC

NBS SRM 1642A—COLLECTED DATA

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Hg (ppb) | | | | | |
| 1.3 | | | CVAA | 82GLA | 02 |

TABLE DD

NBS SRM 1643—COLLECTED DATA

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Al (ppb) | | | | | |
| 50. | | * | ITNA | 81HAB | 01 |
| 77.1 | 5.7 | | AE+AF | 78EPS | 01 |
| 82.1 | 1.4 | | FAA | 78EPS | 01 |
| 83. | 2. | | DCP | 79REE | 01 |
| 83. | 2. | D* | DCP | 81REE | 01 |
| As (ppb) | | | | | |
| 71. | | | ICPES | 82NYG | 01 |
| 75.7 | 1.3 | | HAA | 80YAN | 01 |
| 78. | | 13 | ASV | 82LEU | 01 |
| 79. | | 13 | ASV | 82LEU | 01 |
| Ba (ppb) | | | | | |
| 17.3 | 1.8 | | AE+AF | 79EPS | 03 |
| 18. | | | FAA | 78BEA | 01 |
| 18. | | 14 | FAA | 79EPS | 03 |
| 18.7 | 0.7 | | FAA | 78EPS | 01 |
| 19.7 | 1. | | AE+AF | 78EPS | 01 |
| 21.5 | 1.2 | *14 | FAA | 79EPS | 03 |
| Be (ppb) | | | | | |
| 18.8 | 0.4 | | FAA | 78EPS | 01 |
| 21.3 | 5.5 | | AE+AF | 78EPS | 01 |
| Ca (ppm) | | | | | |
| 23.9 | | | ITNA | 81HAB | 01 |
| Cd (ppb) | | | | | |
| | 15. | L* | XRF | 80BER | 02 |
| Co (ppb) | | | | | |
| 20. | 2. | | XRF | 80BER | 02 |
| Cu (ppb) | | | | | |
| 14. | 0.3 | | FAA | 78EPS | 01 |
| 16.2 | 1.8 | | AE+AF | 78EPS | 01 |
| 17. | 1. | | XRF | 80BER | 02 |
| Fe (ppb) | | | | | |
| 76. | 2. | D* | DCP | 81REE | 01 |
| 76. | 2. | | DCP | 79REE | 01 |
| 82. | 3. | | XRF | 80BER | 02 |
| Hg (ppb) | | | | | |
| | 8. | L* | XRF | 80BER | 02 |
| Mg (ppm) | | | | | |
| 5.7 | | | ITNA | 81HAB | 01 |

TABLE DD (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Mn (ppb) | | | | | |
| 20. | | * | ITNA | 81HAB | 01 |
| 26. | 3. | | XRF | 80BER | 02 |
| 27.5 | 0.7 | | FAA | 78EPS | 01 |
| 28. | 2.5 | | AE+AF | 78EPS | 01 |
| 29. | 3. | D* | DCP | 81REE | 01 |
| 29. | 3. | | DCP | 79REE | 01 |
| Mo (ppb) | | | | | |
| 104. | 3. | | FAA | 78EPS | 01 |
| 110. | 5. | | AE+AF | 78EPS | 01 |
| Na (ppm) | | | | | |
| 8.8 | | | ITNA | 81HAB | 01 |
| Ni (ppb) | | | | | |
| 48. | 4. | D* | DCP | 81REE | 01 |
| 48. | 4. | | DCP | 79REE | 01 |
| 49.8 | 0.8 | | FAA | 78EPS | 01 |
| 50. | 3. | | XRF | 80BER | 02 |
| 51.3 | 4.2 | | AE+AF | 78EPS | 01 |
| Pb (ppb) | | | | | |
| 23. | 2. | | XRF | 80BER | 02 |
| Se (ppb) | | | | | |
| 10. | | | ICPES | 82NYG | 01 |
| 12. | 1. | | HAA | 81COX | 01 |
| Sn (ppb) | | | | | |
| | 20. | L* | XRF | 80BER | 02 |
| V (ppb) | | | | | |
| 40. | | | ITNA | 81HAB | 01 |
| 50. | 2. | D* | DCP | 81REE | 01 |
| 50. | 2. | | DCP | 79REE | 01 |
| Zn (ppb) | | | | | |
| 61. | 1. | D* | DCP | 81REE | 01 |
| 61. | 1. | | DCP | 79REE | 01 |
| 63. | 3. | | XRF | 80BER | 02 |

TABLE EE

NBS SRM 1643A—COLLECTED DATA

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Ag (ppb) | | | | | |
| 2.7 | | | FAA | 82GLA | 02 |
| 2.8 | 0.1 | | FAA | 83GLA | 01 |
| Al (ppb) | | | | | |
| 57. | 6. | | FAA | 82JEN | 02 |
| As (ppb) | | | | | |
| 70. | 4. | | FAA | 83GLA | 01 |
| 76. | 7. | | FAA | 82GLA | 02 |
| Ba (ppb) | | | | | |
| 45. | 6. | | FAA | 83GLA | 01 |
| 48. | 3. | | FAA | 82GLA | 02 |
| Ca (ppm) | | | | | |
| 26.9 | 0.8 | | AA | 83GLA | 01 |
| 30. | 4. | | FAA | 82GLA | 02 |
| Cd (ppb) | | | | | |
| 5. | 1. | | FAA | 82JEN | 02 |
| 11. | 2. | | FAA | 83GLA | 01 |
| 12. | | | FAA | 82GLA | 02 |
| Cr (ppb) | | | | | |
| 17.5 | 0.3 | | FAA | 83GLA | 01 |
| 20. | | | FAA | 82GLA | 02 |
| Cu (ppb) | | | | | |
| 10. | 1. | | FAA | 82JEN | 02 |
| 16. | | | FAA | 82GLA | 02 |
| 19. | 1. | | FAA | 83GLA | 01 |
| Fe (ppb) | | | | | |
| 23. | 5. | | FAA | 82JEN | 02 |
| 88. | 7. | | FAA | 83GLA | 01 |
| 100. | | | FAA | 82GLA | 02 |
| K (ppm) | | | | | |
| 1.5 | | | FAA | 82GLA | 02 |
| 1.62 | 0.04 | | AA | 83GLA | 01 |
| Mg (ppm) | | | | | |
| 7.8 | 0.4 | | AA | 83GLA | 01 |
| 7.9 | 0.3 | | FAA | 82GLA | 02 |
| Mn (ppb) | | | | | |
| 10. | 1. | | FAA | 82JEN | 02 |
| 32. | 3. | | FAA | 83GLA | 01 |

TABLE EE (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Na (ppm) | | | | | |
| 9. | 0.2 | | FAA | 82GLA | 02 |
| 9. | 0.2 | | AA | 83GLA | 01 |
| Ni (ppb) | | | | | |
| 57. | | | FAA | 82GLA | 02 |
| NO3 (ppm) | | | | | |
| 1. | | | ISE | 83GLA | 01 |
| Pb (ppb) | | | | | |
| 26. | 2. | | FAA | 82GLA | 02 |
| 28. | 2. | | FAA | 83GLA | 01 |
| 41. | 5. | | FAA | 82JEN | 02 |
| Se (ppb) | | | | | |
| 10. | 1. | | FAA | 83GLA | 01 |
| Sr (ppb) | | | | | |
| 236. | | | FAA | 83GLA | 01 |
| Zn (ppb) | | | | | |
| 57. | 6. | | FAA | 82JEN | 02 |
| 66. | 2. | | FAA | 83GLA | 01 |
| 76. | | | FAA | 82GLA | 02 |

TABLE FF

NBS SRM 1645—COLLECTED DATA

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Al (%) | | | | | |
| 2.37 | 0.04 | 35 | ITNA | 81GLA | 02 |
| 2.42 | 0.12 | | AA | 81FAR | 01 |
| 3.9 | | * | ICPES | 80FLO | 01 |
| As (ppm) | | | | | |
| 62.6 | 2.1 | | RTNA | 82ELS | 02 |
| 65. | 1. | | FAE | 80DSI | 01 |
| 66. | 5. | | IENA | 82GLA | 02 |
| 66. | | | HAA | 80AGE | 03 |
| 66.4 | | | ICPES | 81GOU | 01 |
| 67. | | | ICPES | 82NYG | 01 |
| 68. | | | IENA | 83GLA | 01 |
| 70. | | | RTNA | 81SL | 01 |
| 71. | | | ICPES | 80FLO | 01 |
| 72. | | | ITNA | 81SLO | 01 |
| 87. | | * | PAA | 80BER | 01 |
| B (ppm) | | | | | |
| 29.9 | 1. | | TCGS | 83GLA | 03 |
| Ba (ppm) | | | | | |
| 178. | 15. | * | PAA | 80KAT | 01 |
| 340. | 50. | 35 | ITNA | 81GLA | 02 |
| 400. | | | ICPES | 80FLO | 01 |
| Be (ppm) | | | | | |
| 1. | | | ICPES | 80FLO | 01 |
| Bi (ppm) | | | | | |
| | 0.1 | L* | FAA | 82MAT | 02 |
| Ca (%) | | | | | |
| 2.33 | | 6 | XRF | 78TAK | 01 |
| 2.73 | 0.15 | 35 | ITNA | 81GLA | 02 |
| 2.9 | 0.13 | | AA | 81FAR | 01 |
| 2.93 | 0.01 | | PAA | 80KAT | 01 |
| 3.106 | | 6 | XRF | 78TAK | 01 |
| 4.2 | | * | ICPES | 80FLO | 01 |
| Cd (ppm) | | | | | |
| 8.9 | 0.4 | | RTNA | 80VAL | 01 |
| 9.1 | 0.3 | | IDMS | 80ROS | 01 |
| 9.2 | 0.5 | | FAA | 81FAR | 01 |
| 10. | | | ICPES | 80FLO | 01 |
| 10.2 | 0.4 | | RTNA | 79DER | 01 |
| 10.8 | 2. | | ICPES | 82SCH | 04 |
| 11. | | | PAA | 80BER | 01 |
| 11.4 | 4.3 | | AE+AF | 82GOL | 01 |
| Ce (ppm) | | | | | |
| 20. | 0.6 | | PAA | 80KAT | 01 |
| 28. | | | PAA | 80BER | 01 |

TABLE FF (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Co (ppm) | | | | | |
| 8. | 0.2 | 35 | ITNA | 81GLA | 02 |
| 8.4 | 0.7 | | RTNA | 77MEL | 01 |
| 8.5 | 0.3 | | PAA | 80KAT | 01 |
| 9.96 | 0.12 | | RTNA | 79DER | 01 |
| 11. | | | ICPES | 80FLO | 01 |
| 24. | | * | PAA | 80BER | 01 |
| Cr (%) | | | | | |
| 2.29 | 0.08 | * | PAA | 80KAT | 01 |
| 2.5 | 0.4 | * | RTNA | 77MEL | 01 |
| 2.91 | 0.24 | | ICPES | 82SCH | 04 |
| 2.97 | 0.125 | 11 | RTNA | 76STE | 01 |
| 2.98 | | | PAA | 80BER | 01 |
| 2.99 | 0.13 | 35 | ITNA | 81GLA | 02 |
| 3.02 | | | ICPES | 80FLO | 01 |
| 3.15 | 0.147 | 11 | RTNA | 76STE | 01 |
| 3.16 | 0.152 | 11 | RTNA | 76STE | 01 |
| 3.18 | 0.08 | | AA | 81FAR | 01 |
| 3.19 | 0.038 | 6 | XRF | 80IWA | 02 |
| 3.25 | 0.152 | 11 | RTNA | 76STE | 01 |
| 3.25 | 0.049 | 6 | XRF | 80IWA | 02 |
| 3.27 | 0.155 | | ITNA | 76STE | 01 |
| 3.4 | 0.148 | *11 | RTNA | 76STE | 01 |
| 3.52 | | *6 | XRF | 78TAK | 01 |
| Cs (ppm) | | | | | |
| 2.32 | 0.13 | 35 | ITNA | 81GLA | 02 |
| 3.3 | 0.2 | | RTNA | 77MEL | 01 |
| Cu (ppm) | | | | | |
| 78. | | *6 | XRF | 78TAK | 01 |
| 96. | 14. | | ASV | 81DOG | 01 |
| 100. | 20. | | AA | 77YAN | 01 |
| 105. | 14. | | ICPES | 82SCH | 04 |
| 106. | | | PAA | 80BER | 01 |
| 108. | | 6 | XRF | 78TAK | 01 |
| 111. | 7. | | FAA | 81FAR | 01 |
| 113. | | 6 | XRF | 78TAK | 01 |
| 119. | | | ICPES | 80FLO | 01 |
| 123. | 6. | | RTNA | 79DER | 01 |
| 125.2 | 8.2 | | RTNA | 80VAL | 01 |
| Eu (ppm) | | | | | |
| 0.7 | | | ICPES | 80FLO | 01 |
| 0.31 | 0.03 | 35 | ITNA | 81GLA | 02 |
| F (ppm) | | | | | |
| 1740. | 60. | | ISE | 83KNA | 01 |
| Fe (%) | | | | | |
| 8.372 | | *6 | XRF | 78TAK | 01 |
| 8.5 | 0.5 | * | RTNA | 77MEL | 01 |
| 9.89 | | 6 | XRF | 78TAK | 01 |
| 10.4 | | 6 | XRF | 78TAK | 01 |

TABLE FF (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 10.5 | 0.3 | 35 | ITNA | 81GLA | 02 |
| 10.51 | 0.18 | | PAA | 80KAT | 01 |
| 10.6 | 0.3 | | AA | 81FAR | 01 |
| 11.4 | 1.3 | | ICPES | 82SCH | 04 |
| 11.5 | | | ICPES | 80FLO | 01 |
| Ga (ppm) | | | | | |
| 38. | | | ICPES | 80FLO | 01 |
| Hf (ppm) | | | | | |
| 1.39 | 0.07 | 35 | ITNA | 81GLA | 02 |
| Hg (ppm) | | | | | |
| 0.85 | 0.036 | | CVAA | 80NAD | 01 |
| 1.1 | 0.1 | | RTNA | 77MEL | 01 |
| 1.11 | 0.26 | | CVAA | 80WHI | 01 |
| 1.3 | | | PAA | 80BER | 01 |
| 1.3 | 0.2 | | RTNA | 80VAL | 01 |
| K (%) | | | | | |
| 0.893 | | 6 | XRF | 78TAK | 01 |
| 1.24 | | 6 | XRF | 78TAK | 01 |
| La (ppm) | | | | | |
| 15. | | | ICPES | 80FLO | 01 |
| Mg (%) | | | | | |
| 0.684 | 0.01 | | PAA | 80KAT | 01 |
| 0.75 | 0.02 | | AA | 81FAR | 01 |
| 4.1 | | | ICPES | 80FLO | 01 |
| Mn (ppm) | | | | | |
| 746. | 130. | | AE+AF | 82GOL | 01 |
| 750. | 18. | | PAA | 80KAT | 01 |
| 750. | | | ICPES | 80FLO | 01 |
| 762. | 9. | 35 | ITNA | 81GLA | 02 |
| 768. | 85. | | ICPES | 82SCH | 04 |
| 780. | 90. | | AA | 81FAR | 01 |
| 1460. | | *6 | XRF | 78TAK | 01 |
| 3321. | | *6 | XRF | 78TAK | 01 |
| Mo (ppm) | | | | | |
| 25. | | | PAA | 80BER | 01 |
| Na (ppm) | | | | | |
| 5450. | 110. | | PAA | 80KAT | 01 |
| 5600. | 200. | 35 | ITNA | 81GLA | 02 |
| Nb (ppm) | | | | | |
| 1.4 | 0.07 | | PAA | 80KAT | 01 |

TABLE FF (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Ni (ppm) | | | | | |
| 28. | | 6 | XRF | 78TAK | 01 |
| 30. | | 6 | XRF | 78TAK | 01 |
| 33. | | 6 | XRF | 78TAK | 01 |
| 37.6 | 6.4 | | AE+AF | 82GOL | 01 |
| 45. | | | ICPES | 80FLO | 01 |
| 46.1 | 2.5 | | ICPES | 82SCH | 04 |
| 46.6 | 4.6 | | PAA | 78MAS | 01 |
| 47. | 3. | | PAA | 80KAT | 01 |
| 48. | | | PAA | 80BER | 01 |
| 48. | | | PAA | 78KAT | 01 |
| 55. | 3. | | RTNA | 77MEL | 01 |
| Pb (ppm) | | | | | |
| 680. | 20. | | AA | 77YAN | 01 |
| 683. | 29. | | FAA | 81FAR | 01 |
| 695. | 45. | | ASV | 81DOG | 01 |
| 717. | | 6 | XRF | 78TAK | 01 |
| 719. | | 6 | XRF | 78TAK | 01 |
| 721. | 20. | | ICPES | 82SCH | 04 |
| 724. | | | PAA | 80BER | 01 |
| 725. | | | ICPES | 80FLO | 01 |
| 771. | 231. | * | AE+AF | 82GOL | 01 |
| 1019. | | *6 | XRF | 78TAK | 01 |
| Pr (ppm) | | | | | |
| 14. | | | ICPES | 80FLO | 01 |
| Rb (ppm) | | | | | |
| 38. | | 6 | XRF | 78TAK | 01 |
| 39. | | 6 | XRF | 78TAK | 01 |
| 40. | 2. | | PAA | 80KAT | 01 |
| 41.4 | 0.5 | | RTNA | 77MEL | 01 |
| 50. | 7. | *35 | ITNA | 81GLA | 02 |
| Sb (ppm) | | | | | |
| 21.7 | | | RTNA | 81NIS | 01 |
| 22.6 | | | RTNA | 81KIB | 01 |
| 25. | | | HAA | 81YAM | 01 |
| 28.3 | 1.2 | | FAA | 82MAT | 02 |
| 31. | 4. | | ITNA | 81HAM | 01 |
| 33.2 | | | RTNA | 81SLO | 01 |
| 33.6 | 2.2 | | RTNA | 82ELS | 02 |
| 36. | | | ITNA | 81SLO | 01 |
| 38. | | | ICPES | 82NYG | 01 |
| 40. | 5. | 35 | ITNA | 81GLA | 02 |
| 52. | | * | PAA | 80BER | 01 |
| Sc (ppm) | | | | | |
| 2.13 | 0.07 | 35 | ITNA | 81GLA | 02 |
| 3.1 | 0.5 | | RTNA | 77MEL | 01 |
| Se (ppm) | | | | | |
| 0.85 | | | RTNA | 81SLO | 01 |
| 1. | | | ICPES | 81GOU | 01 |

TABLE FF (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 1.3 | 0.2 | | RTNA | 77MEL | 01 |
| 1.5 | 0.1 | 35 | RTNA | 81GLA | 01 |
| 5. | | * | ICPES | 80FLO | 01 |
| 8. | | * | ICPES | 82NYG | 01 |
| Si (%) | | | | | |
| 30.6 | 1.2 | | AA | 81FAR | 0 |
| Sn (ppm) | | | | | |
| 313. | 9. | | FAA | 82MAT | 02 |
| Sr (ppm) | | | | | |
| 851. | 13. | | PAA | 80KAT | 01 |
| 862. | | | PAA | 80BER | 01 |
| 870. | | 6 | XRF | 78TAK | 01 |
| 1033. | | 6 | XRF | 78TAK | 01 |
| 1200. | | * | ICPES | 80FLO | 01 |
| Ta (ppb) | | | | | |
| 220. | 20. | 35 | ITNA | 81GLA | 02 |
| Th (ppm) | | | | | |
| 1.8 | | | PAA | 80BER | 01 |
| Ti (ppm) | | | | | |
| | 1000. | L* | ITNA | 81GLA | 02 |
| 258. | | 6 | XRF | 78TAK | 01 |
| 490. | | 6 | XRF | 78TAK | 01 |
| 642. | 13. | | PAA | 80KAT | 01 |
| 700. | | | AA | 82MAT | 04 |
| 825. | | | PAA | 80BER | 01 |
| Tl (ppm) | | | | | |
| 1.9 | | | PAA | 80BER | 01 |
| U (ppm) | | | | | |
| 0.8 | 0.02 | | RTNA | 78DER | 01 |
| 1.16 | | | DNA | 83GLA | 01 |
| 1.4 | | | PAA | 80BER | 01 |
| V (ppm) | | | | | |
| 24.1 | 6.5 | | ICPES | 82SCH | 04 |
| 25. | | | ICPES | 80FLO | 01 |
| 29. | 6. | 35 | ITNA | 81GLA | 02 |
| Y (ppm) | | | | | |
| 7. | | | ICPES | 80FLO | 01 |
| 7.4 | 0.3 | | PAA | 80KAT | 01 |
| Yb (ppb) | | | | | |
| 600. | | | ICPES | 80FLO | 01 |

TABLE FF (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Zn (ppm) | | | | | |
| 1414. | 84. | | RTNA | 77MEL | 01 |
| 1480. | | 6 | XRF | 78TAK | 01 |
| 1540. | 67. | | PAA | 80KAT | 01 |
| 1587. | | | ICPES | 80FLO | 01 |
| 1610. | 40. | | AA | 77YAN | 01 |
| 1640. | 40. | | AA | 81FAR | 01 |
| 1640. | | 6 | XRF | 78TAK | 01 |
| 1713. | 145. | | ICPES | 82SCH | 04 |
| 1720. | 361. | | AE+AF | 82GOL | 01 |
| 1730. | | | PAA | 80BER | 01 |
| 1794. | | 6 | XRF | 78TAK | 01 |
| 1806. | 37. | | RTNA | 79DER | 01 |
| Zr (ppm) | | | | | |
| 55. | 3. | | PAA | 80KAT | 01 |
| 71. | | | PAA | 80BER | 01 |

TABLE GG

NBS SRM 1646—COLLECTED DATA

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| B (ppm) | | | | | |
| 83. | 2. | | TCGS | 83GLA | 03 |
| Cs (ppm) | | | | | |
| 3.6 | 0.4 | | ITNA | 83GLA | 01 |
| Sb (ppm) | | | | | |
| 0.85 | | | ITNA | 83GLA | 01 |
| Sc (ppm) | | | | | |
| 10.4 | 0.2 | | ITNA | 83GLA | 01 |
| U (ppm) | | | | | |
| 3. | | | DNA | 83GLA | 01 |

## TABLE HH

### NBS SRM 1648—COLLECTED DATA

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Ag (ppm) | | | | | |
| 5.8 | 0.9 | | IENA | 83GLA | 02 |
| 6. | 1. | | XRF | 77GIA | 02 |
| 6. | 1. | D* | XRF | 79GIA | 03 |
| 6.4 | 0.5 | | ITNA | 79GRE | 01 |
| Al (%) | | | | | |
| 3.05 | 0.03 | | AA | 81FRA | 01 |
| 3.1 | 0.1 | | ITNA | 83GLA | 02 |
| 3.12 | 0.2 | 35 | ITNA | 81GLA | 03 |
| 3.3 | | | ICPES | 80FLO | 01 |
| 3.3 | 0.45 | | AA | 81FAR | 01 |
| 3.5 | 0.1 | | ITNA | 79GRE | 01 |
| As (ppm) | | | | | |
| 112. | | | ICPES | 80FLO | 01 |
| 117. | | | ICPES | 82NYG | 01 |
| 117. | 5. | | ITNA | 83GLA | 02 |
| 117. | 5. | | ITNA | 79GRE | 01 |
| 119. | | 35 | NAA | 81GLA | 03 |
| 119. | 2. | | IENA | 83GLA | 02 |
| B (ppm) | | | | | |
| 158. | 8. | | TCGS | 83GLA | 03 |
| 6000. | 170. | * | UU | 81FRA | 01 |
| Ba (ppm) | | | | | |
| 740. | 60. | | ITNA | 79GRE | 01 |
| 757. | 35. | | XRF | 77GIA | 02 |
| 757. | 35. | D* | XRF | 79GIA | 03 |
| 774. | | | ICPES | 80FLO | 01 |
| 800. | 10. | 5 | ITNA | 83GLA | 02 |
| 840. | 40. | | IENA | 83GLA | 02 |
| 980. | 100. | 5* | ITNA | 83GLA | 02 |
| Be (ppm) | | | | | |
| 3. | | | ICPES | 80FLO | 01 |
| Br (ppm) | | | | | |
| 460. | 15. | 5 | IENA | 83GLA | 02 |
| 500. | 30. | | ITNA | 79GRE | 01 |
| 504. | 14. | 5 | IENA | 83GLA | 02 |
| 517. | 14. | | XRF | 77GIA | 02 |
| 517. | 14. | D* | XRF | 79GIA | 03 |
| 526. | 24. | 35 | ITNA | 81GLA | 03 |
| 526. | 25. | | ITNA | 83GLA | 02 |
| C (%) | | | | | |
| 14.7 | 0.3 | | CB | 83GLA | 02 |
| 15.27 | 0.15 | | UU | 81FRA | 01 |
| Ca (%) | | | | | |
| 5.4 | 0.3 | | IENA | 83GLA | 02 |
| 5.5 | 0.4 | | AA | 82GLA | 02 |

### TABLE HH (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 5.6 | 0.4 | | AA | 83GLA | 02 |
| 5.8 | 0.5 | | ITNA | 79GRE | 01 |
| 6.1 | 0.04 | | EXRF | 78PEL | 01 |
| 6.18 | 0.23 | | AA | 81FAR | 01 |
| 6.3 | 0.3 | | ITNA | 83GLA | 02 |
| Cd (ppm) | | | | | |
| 64. | 7. | | AA | 82GLA | 02 |
| 69. | 4. | | FAA | 81FAR | 01 |
| 70. | 2. | | XRF | 77GIA | 02 |
| 70. | 2. | D* | XRF | 79GIA | 03 |
| 70. | 6. | | ITNA | 79GRE | 01 |
| 73. | | | ICPES | 80FLO | 01 |
| 75. | 7. | | AA | 83GLA | 02 |
| 105. | 9. | * | AA | 81FRA | 01 |
| Ce (ppm) | | | | | |
| 52. | 5. | | IENA | 83GLA | 02 |
| 53. | 2. | | ITNA | 83GLA | 02 |
| 54. | 3. | | ITNA | 79GRE | 01 |
| 61. | | | ICPES | 80FLO | 01 |
| Cl (ppm) | | | | | |
| 500. | 60. | *35 | ITNA | 81GLA | 03 |
| 4500. | 200. | | ITNA | 79GRE | 01 |
| 4890. | 80. | | ITNA | 83GLA | 02 |
| Co (ppm) | | | | | |
| 15.2 | 0.9 | | AA | 81FRA | 01 |
| 17.2 | 0.6 | | ITNA | 83GLA | 02 |
| 17.6 | 0.5 | | ITNA | 79GRE | 01 |
| 18. | 1. | | IENA | 83GLA | 02 |
| 28. | | | ICPES | 80FLO | 01 |
| 42. | 7. | *35 | ITNA | 81GLA | 03 |
| Cr (ppm) | | | | | |
| 173. | 27. | * | FAA | 81FAR | 01 |
| 380. | 40. | | AA | 83GLA | 02 |
| 383. | | | AA | 82GLA | 02 |
| 398. | | | ICPES | 80FLO | 01 |
| 402. | 10. | | ITNA | 79GRE | 01 |
| 410. | 50. | 35 | ITNA | 81GLA | 03 |
| 410. | 8. | | ITNA | 83GLA | 02 |
| 417. | 16. | | AA | 81FRA | 01 |
| 440. | 10. | | EXRF | 78PEL | 01 |
| 560. | 11. | * | UU | 81FRA | 01 |
| 580. | 50. | * | UU | 81FRA | 01 |
| Cs (ppm) | | | | | |
| 3.3 | 0.2 | | IENA | 83GLA | 02 |
| 3.4 | 0.2 | | ITNA | 79GRE | 01 |
| 3.73 | 0.29 | | ITNA | 83GLA | 02 |
| Cu (ppm) | | | | | |
| 570. | 44. | | UU | 81FRA | 01 |
| 581. | 16. | | XRF | 77GIA | 02 |

TABLE HH (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 586. | 22. | | FAA | 81FAR | 01 |
| 589. | 12. | | AA | 81FRA | 01 |
| 596. | 24. | | AA | 82GLA | 02 |
| 598. | | | ICPES | 80FLO | 01 |
| 600. | 30. | | AA | 83GLA | 02 |
| 610. | 18. | | UU | 81FRA | 01 |
| 640. | 60. | * | EXRF | 81KIN | 01 |
| 700. | 100. | * | EXRF | 78PEL | 01 |
| Eu (ppm) | | | | | |
| 0.77 | 0.03 | | ITNA | 83GLA | 02 |
| 0.79 | 0.08 | | ITNA | 79GRE | 01 |
| 1. | | | ICPES | 80FLO | 01 |
| Fe (%) | | | | | |
| 3.43 | 0.05 | | AA | 81FRA | 01 |
| 3.7 | | | AA | 82GLA | 02 |
| 3.8 | 0.5 | 35 | ITNA | 81GLA | 03 |
| 3.84 | 0.08 | | ITNA | 79GRE | 01 |
| 3.86 | 0.06 | | ITNA | 83GLA | 02 |
| 3.9 | 0.1 | | IENA | 83GLA | 02 |
| 3.96 | 0.037 | | EXRF | 78PEL | 01 |
| 4. | 0.1 | | EXRF | 81KIN | 01 |
| 4.05 | 0.1 | | XRF | 77GIA | 02 |
| 4.05 | 0.1 | D* | XRF | 79GIA | 03 |
| 4.1 | | | ICPES | 80FLO | 01 |
| 4.2 | 0.4 | | AA | 83GLA | 02 |
| 4.5 | 0.23 | * | AA | 81FAR | 01 |
| 5.45 | 0.32 | * | UU | 81FRA | 01 |
| 5.65 | 0.14 | * | UU | 81FRA | 01 |
| Ga (ppm) | | | | | |
| 8.3 | 0.4 | | IENA | 83GLA | 02 |
| 72. | | | ICPES | 80FLO | 01 |
| H (%) | | | | | |
| 2.23 | 0.04 | | CB | 83GLA | 02 |
| Hf (ppm) | | | | | |
| 4.2 | 0.3 | | ITNA | 79GRE | 01 |
| 4.47 | 0.07 | | ITNA | 83GLA | 02 |
| 5.2 | 0.4 | | IENA | 83GLA | 02 |
| I (ppm) | | | | | |
| 16. | 2. | | XRF | 77GIA | 02 |
| 16. | 2. | D* | XRF | 79GIA | 03 |
| 20. | 5. | | ITNA | 79GRE | 01 |
| In (ppb) | | | | | |
| 980. | 70. | | ITNA | 79GRE | 01 |
| K (%) | | | | | |
| 0.96 | 0.12 | | ITNA | 83GLA | 02 |
| 0.99 | 0.11 | | ITNA | 79GRE | 01 |

TABLE HH (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 1.04 | 0.02 | | EXRF | 78PEL | 01 |
| 1.07 | 0.02 | | IENA | 83GLA | 02 |
| 1.11 | 0.08 | 35 | ITNA | 81GLA | 03 |
| La (ppm) | | | | | |
| 35. | | | ICPES | 80FLO | 01 |
| 38. | 3. | 35 | ITNA | 81GLA | 03 |
| 40. | 2. | | ITNA | 83GLA | 02 |
| 42. | 2. | | ITNA | 79GRE | 01 |
| 42. | 5. | | IENA | 83GLA | 02 |
| Lu (ppb) | | | | | |
| 34. | 3. | | ITNA | 83GLA | 02 |
| Mg (ppm) | | | | | |
| 7200. | 600. | | AA | 82GLA | 02 |
| 7500. | 400. | | AA | 83GLA | 02 |
| 7600. | 400. | | AA | 81FAR | 01 |
| 8000. | 130. | | AA | 81FRA | 01 |
| 8300. | 800. | | ITNA | 79GRE | 01 |
| 9000. | | * | ICPES | 80FLO | 01 |
| Mn (ppm) | | | | | |
| 740. | 30. | | IENA | 83GLA | 02 |
| 747. | 10. | | ITNA | 83GLA | 02 |
| 790. | 20. | | ITNA | 79GRE | 01 |
| 790. | 80. | | AA | 83GLA | 02 |
| 805. | 4. | | AA | 81FRA | 01 |
| 810. | 40. | 35 | ITNA | 81GLA | 03 |
| 810. | 60. | | AA | 81FAR | 01 |
| 840. | 85. | | UU | 81FRA | 01 |
| 851. | | | ICPES | 80FLO | 01 |
| 860. | 20. | | EXRF | 81KIN | 01 |
| 870. | 30. | | EXRF | 78PEL | 01 |
| 880. | 80. | | AA | 82GLA | 02 |
| 880. | 19. | | UU | 81FRA | 01 |
| 961. | 34. | * | XRF | 77GIA | 02 |
| 961. | 34. | D* | XRF | 79GIA | 03 |
| Mo (ppm) | | | | | |
| 17. | 2. | | XRF | 77GIA | 02 |
| 21. | 2. | | IENA | 83GLA | 02 |
| N (%) | | | | | |
| 3.25 | 0.04 | | CB | 83GLA | 02 |
| Na (ppm) | | | | | |
| 4000. | 200. | | ITNA | 79GRE | 01 |
| 4220. | 120. | 5 | ITNA | 83GLA | 02 |
| 4600. | 200. | 5 | ITNA | 83GLA | 02 |
| 5500. | 1500. | 35 | ITNA | 81GLA | 03 |
| Nb (ppm) | | | | | |
| 22. | 3. | | XRF | 77GIA | 02 |

TABLE HH (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Ni (ppm) | | | | | |
| 72. | 15. | | AA | 82GLA | 02 |
| 75. | 4. | | IENA | 83GLA | 02 |
| 83. | 4. | | EXRF | 78PEL | 01 |
| 85. | | | ICPES | 80FLO | 01 |
| 99. | 13. | | XRF | 77GIA | 02 |
| 100. | 7. | | UU | 81FRA | 01 |
| 105. | 21. | | AA | 81FRA | 01 |
| Pb (ppm) | | | | | |
| 6100. | 200. | | AA | 82GLA | 02 |
| 6200. | 810. | | UU | 81FRA | 01 |
| 6210. | 85. | | FAA | 81FAR | 01 |
| 6300. | 300. | | AA | 83GLA | 02 |
| 6300. | 100. | | XRF | 77GIA | 02 |
| 6400. | 45. | | AA | 81FRA | 01 |
| 6780. | 60. | | EXRF | 78PEL | 01 |
| 6900. | 200. | | EXRF | 81KIN | 01 |
| 7000. | | | ICPES | 80FLO | 01 |
| Pr (ppm) | | | | | |
| 8. | | | ICPES | 80FLO | 01 |
| Rb (ppm) | | | | | |
| 52. | 9. | | ITNA | 79GRE | 01 |
| 53. | 5. | | ITNA | 83GLA | 02 |
| 55. | 6. | 35 | ITNA | 81GLA | 03 |
| 58. | 2. | | IENA | 83GLA | 02 |
| S (%) | | | | | |
| 5.21 | 0.06 | | UU | 81FRA | 01 |
| Sb (ppm) | | | | | |
| 41. | | | ICPES | 82NYG | 01 |
| 44. | 3. | | XRF | 77GIA | 02 |
| 44. | 6. | | ITNA | 83GLA | 01 |
| 44. | 3. | D* | XRF | 79GIA | 03 |
| 45. | 3. | | ITNA | 79GRE | 01 |
| 47. | 2. | | ITNA | 83GLA | 02 |
| Sc (ppm) | | | | | |
| 6.6 | 0.2 | | ITNA | 79GRE | 01 |
| 6.6 | 0.6 | | ITNA | 83GLA | 01 |
| 6.8 | | 35 | ITNA | 81GLA | 03 |
| 6.8 | 0.3 | | ITNA | 83GLA | 02 |
| Se (ppm) | | | | | |
| 4. | | * | ICPES | 80FLO | 01 |
| 23.1 | 0.2 | 35 | RTNA | 81GLA | 01 |
| 25. | 4. | | XRF | 77GIA | 02 |
| 25. | 4. | D* | XRF | 79GIA | 03 |
| 26. | | | ICPES | 82NYG | 01 |
| 27. | 2. | | ITNA | 79GRE | 01 |

TABLE HH (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Si (%) | | | | | |
| 11.5 | 2. | | AA | 82GLA | 02 |
| 12.63 | 0.47 | | AA | 81FRA | 01 |
| 13. | 1.1 | | IENA | 83GLA | 02 |
| 13. | 2. | | AA | 83GLA | 02 |
| 14.7 | 0.3 | | EXRF | 78PEL | 01 |
| 16.2 | 1. | | AA | 81FAR | 01 |
| Sm (ppm) | | | | | |
| 4. | 0.4 | | ITNA | 79GRE | 01 |
| 4.2 | 0.4 | 35 | ITNA | 81GLA | 03 |
| 4.4 | 0.3 | | ITNA | 83GLA | 02 |
| Sn (ppm) | | | | | |
| 147. | 4. | | XRF | 77GIA | 02 |
| Sr (ppm) | | | | | |
| 190. | 10. | | EXRF | 78PEL | 01 |
| 211. | 6. | | XRF | 77GIA | 02 |
| 220. | 10. | | IENA | 83GLA | 02 |
| 450. | | * | ICPES | 80FLO | 01 |
| Ta (ppm) | | | | | |
| 6.76 | 0.17 | | ITNA | 83GLA | 02 |
| 7.2 | 0.4 | | IENA | 83GLA | 02 |
| Th (ppm) | | | | | |
| 7.4 | 0.3 | | ITNA | 79GRE | 01 |
| 7.5 | 0.5 | | ITNA | 83GLA | 02 |
| 7.8 | 0.4 | | IENA | 83GLA | 02 |
| Ti (ppm) | | | | | |
| 3800. | 200. | | EXRF | 81KIN | 01 |
| 3900. | 800. | | AA | 81FRA | 01 |
| 4000. | | | ICPES | 80FLO | 01 |
| 4000. | 200. | | ITNA | 79GRE | 01 |
| 4000. | 200. | | ITNA | 83GLA | 02 |
| 4100. | 400. | | AA | 82GLA | 02 |
| 4100. | 300. | | AA | 83GLA | 02 |
| 4260. | 30. | | EXRF | 78PEL | 01 |
| 4500. | 400. | * | IENA | 83GLA | 02 |
| 9700. | | *35 | NAA | 81GLA | 03 |
| U (ppm) | | | | | |
| 5.42 | 0.2 | | DNA | 83GLA | 02 |
| 5.6 | 0.05 | | IENA | 83GLA | 02 |
| 5.9 | | | DNA | 83GLA | 01 |
| V (ppm) | | | | | |
| 106. | | | ICPES | 80FLO | 01 |
| 116. | 19. | 35 | ITNA | 81GLA | 03 |
| 116. | 4. | | ITNA | 83GLA | 02 |

TABLE HH (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| 123. | 12. | | IENA | 83GLA | 02 |
| 130. | 7. | | ITNA | 79GRE | 01 |
| W (ppm) | | | | | |
| 3.5 | | 35 | RENA | 81GLA | 03 |
| 4.4 | 2.8 | | IENA | 83GLA | 02 |
| 4.8 | 0.6 | | ITNA | 79GRE | 01 |
| Y (ppm) | | | | | |
| 5. | | | ICPES | 80FLO | 01 |
| Yb (ppm) | | | | | |
| 2. | | | ICPES | 80FLO | 01 |
| Zn (ppm) | | | | | |
| 4300. | 550. | * | UU | 81FRA | 01 |
| 4400. | 60. | | UU | 81FRA | 01 |
| 4580. | 160. | | AA | 81FAR | 01 |
| 4650. | 150. | | EXRF | 78PEL | 01 |
| 4700. | 200. | | ITNA | 79GRE | 01 |
| 4700. | | | ICPES | 80FLO | 01 |
| 4740. | 130. | | IENA | 83GLA | 02 |
| 4740. | 30. | | AA | 80EPS | 01 |
| 4750. | 50. | | ITNA | 83GLA | 02 |
| 4800. | | | AA | 82GLA | 02 |
| 4800. | 100. | | EXRF | 81KIN | 01 |
| 4800. | 300. | | AA | 83GLA | 02 |
| 4800. | 60. | | AA | 81FRA | 01 |
| 4850. | 240. | 35 | ITNA | 81GLA | 03 |
| 4890. | 130. | | XRF | 77GIA | 02 |
| 4890. | 130. | D* | XRF | 79GIA | 03 |
| Zr (ppm) | | | | | |
| 169. | 8. | | XRF | 77GIA | 02 |

TABLE II

NBS SRM 1A—COLLECTED DATA

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Al (%) | | | | | |
| 2.1 | | | OES | 62JOE | 01 |
| 2.23 | | | OES | 78KNO | 01 |
| 2.27 | | | DCP | 73KAR | 01 |
| 2.29 | | | TITR | 58WAT | 01 |
| 2.36 | | | RR | 73KAR | 01 |
| B (ppm) | | | | | |
| 80. | | 3 | OES | 63CLA | 01 |
| 100. | | 3 | OES | 63CLA | 01 |
| Ba (ppm) | | | | | |
| | 800. | L* | OES | 63CLA | 01 |
| C (%) | | | | | |
| 9.73 | | | CB | 78TER | 01 |
| Ca (%) | | | | | |
| 28.6 | | | OES | 62JOE | 01 |
| 29.5 | | | RR | 73KAR | 01 |
| 29.6 | | | XRF | 78KNO | 01 |
| 29.7 | | | DCP | 73KAR | 01 |
| Co (ppm) | | | | | |
| | 10. | L* | OES | 63CLA | 01 |
| 3.9 | 1.4 | | RTNA | 61TUR | 01 |
| Cr (ppm) | | | | | |
| 23. | | | RTNA | 61TUR | 01 |
| 30. | | | OES | 63CLA | 01 |
| Cu (ppm) | | | | | |
| 3. | | | OES | 63CLA | 01 |
| Fe (%) | | | | | |
| 0.855 | | | OES | 62JOE | 01 |
| 1.08 | | | OES | 78KNO | 01 |
| 1.08 | | | DCP | 73KAR | 01 |
| 1.1 | | | COLOR | 59COL | 01 |
| 1.13 | | | RR | 73KAR | 01 |
| 1.15 | | | TITR | 69WIC | 01 |
| Ga (ppm) | | | | | |
| 4. | | | OES | 63CLA | 01 |
| Hg (ppb) | | | | | |
| 44. | | | FAA | 75HEI | 01 |
| 71.4 | 2.16 | | FAA | 82FLA | 01 |

TABLE II (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| K (ppm) | | | | | |
| 6900. | | | RR | 73KAR | 01 |
| La (ppm) | | | | | |
| 100. | | | OES | 63CLA | 01 |
| Mg (%) | | | | | |
| 1.29 | | | OES | 78KNO | 01 |
| 1.3 | | | OES | 62JOE | 01 |
| 1.37 | | | RR | 73KAR | 01 |
| 1.39 | | | DCP | 73KAR | 01 |
| Mn (ppm) | | | | | |
| 320. | | | OES | 78KNO | 01 |
| 500. | | 3 | OES | 63CLA | 01 |
| 500. | | 3 | OES | 63CLA | 01 |
| Mo (ppm) | | | | | |
| | 1. | L* | OES | 63CLA | 01 |
| Na (ppm) | | | | | |
| 2300. | | | RR | 73KAR | 01 |
| 2700. | | | DCP | 73KAR | 01 |
| Ni (ppm) | | | | | |
| 10. | | | OES | 63CLA | 01 |
| P (ppm) | | | | | |
| 650. | | | WXRF | 71FAB | 01 |
| 1500. | | | OES | 78KNO | 01 |
| Pb (ppm) | | | | | |
| 17.2 | | | FAA | 75CAM | 02 |
| 20. | | | OES | 63CLA | 01 |
| 21. | | | FAA | 79HEI | 03 |
| S (ppm) | | | | | |
| 2700. | | | CB | 55COL | 01 |
| 2800. | | | OES | 78KNO | 01 |
| 2800. | | | CB | 74RUN | 01 |
| 2800. | | | UU | 72BOU | 01 |
| 3000. | | | TURB | 73SHA | 01 |
| 3020. | 90. | | CB | 77LAN | 01 |
| 3073. | | | CB | 78TER | 01 |
| Sc (ppm) | | | | | |
| 15. | | | OES | 63CLA | 01 |

TABLE II (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Si (%) | | | | | |
| 6.53 | | | XRF | 78KNO | 01 |
| 6.54 | | | OES | 62JOE | 01 |
| 6.58 | | | RR | 73KAR | 01 |
| 6.63 | | | COLOR | 74SHA | 01 |
| 6.72 | | | DCP | 73KAR | 01 |
| Sn (ppm) | | | | | |
| 1.68 | | | AA | 82TER | 01 |
| Sr (ppm) | | | | | |
| 1700. | | | OES | 75THO | 01 |
| 1940. | | | OES | 58GRA | 01 |
| 2000. | | 3 | OES | 63CLA | 01 |
| 2000. | | | RTNA | 61TUR | 01 |
| 3000. | | *3 | OES | 63CLA | 01 |
| Ti (ppm) | | | | | |
| 900. | | | RR | 73KAR | 01 |
| 900. | | | DCP | 73KAR | 01 |
| 960. | 61. | | RTNA | 65WAH | 01 |
| 1000. | | | OES | 78KNO | 01 |
| 1500. | | 3 | OES | 63CLA | 01 |
| 2500. | | *3 | OES | 63CLA | 01 |
| V (ppm) | | | | | |
| 30. | | | OES | 63CLA | 01 |
| W (ppm) | | | | | |
| 10. | | | OES | 63CLA | 01 |
| Zn (ppm) | | | | | |
| 17. | | | XRF | 65BAL | 01 |
| 23.3 | | | RTNA | 65BAL | 01 |
| Zr (ppm) | | | | | |
| 60. | | | OES | 63CLA | 01 |

TABLE JJ

NBS SRM 1B—COLLECTED DATA

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Ag (ppm) | | | | | |
| | 5. | L* | ICPES | 81CHU | 01 |
| Al (ppm) | | | | | |
| 5660. | 200. | | ICPES | 81CHU | 01 |
| 5800. | | | OES | 73BES | 01 |
| As (ppm) | | | | | |
| | 5. | L* | ICPES | 81CHU | 01 |
| Au (ppm) | | | | | |
| | 3. | L* | ICPES | 81CHU | 01 |
| Ba (ppm) | | | | | |
| 86. | 1.7 | | ICPES | 81CHU | 01 |
| Be (ppb) | | | | | |
| 420. | 50. | | ICPES | 81CHU | 01 |
| Bi (ppm) | | | | | |
| | 25. | L* | ICPES | 81CHU | 01 |
| Ca (%) | | | | | |
| 35.93 | 1.19 | | ICPES | 81CHU | 01 |
| 36.8 | | | OES | 73BES | 01 |
| Cd (ppb) | | | | | |
| | 2000. | L* | ICPES | 81CHU | 01 |
| 52. | | | IDMS | 74ROS | 02 |
| Ce (ppm) | | | | | |
| | 15. | L* | ICPES | 81CHU | 01 |
| Co (ppm) | | | | | |
| 4.1 | 1. | | ICPES | 81CHU | 01 |
| Cr (ppm) | | | | | |
| 15.7 | 1. | | ICPES | 81CHU | 01 |
| Cu (ppm) | | | | | |
| 5.5 | 1. | | ICPES | 81CHU | 01 |
| Eu (ppm) | | | | | |
| 1.7 | 1.2 | | ICPES | 81CHU | 01 |
| Fe (ppm) | | | | | |
| 5000. | | | OES | 73BES | 01 |
| 5460. | 140. | | ICPES | 81CHU | 01 |

TABLE JJ (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Gd (ppm) | | | | | |
| | 5. | L* | ICPES | 81CHU | 01 |
| Hg (ppb) | | | | | |
| 15.7 | 0.9 | | FAA | 82FLA | 01 |
| K (ppm) | | | | | |
| 2000. | 50. | | ICPES | 81CHU | 01 |
| La (ppm) | | | | | |
| | 5. | L* | ICPES | 81CHU | 01 |
| Li (ppm) | | | | | |
| | 2. | L* | ICPES | 81CHU | 01 |
| Mg (ppm) | | | | | |
| 2040. | 60. | | ICPES | 81CHU | 01 |
| 2400. | | | OES | 73BES | 01 |
| Mn (ppm) | | | | | |
| 1430. | | | OES | 73BES | 01 |
| 1510. | 45. | | ICPES | 81CHU | 01 |
| Mo (ppm) | | | | | |
| | 3. | L* | ICPES | 81CHU | 01 |
| Na (ppm) | | | | | |
| 260. | 15. | | ICPES | 81CHU | 01 |
| Nd (ppm) | | | | | |
| | 20. | L* | ICPES | 81CHU | 01 |
| Ni (ppm) | | | | | |
| 11. | 1. | | ICPES | 81CHU | 01 |
| P (ppm) | | | | | |
| 370. | 9. | | ICPES | 81CHU | 01 |
| Pb (ppm) | | | | | |
| 2. | 0.4 | | FAA | 75CAM | 02 |
| 17. | 2. | | ICPES | 81CHU | 01 |
| S (ppm) | | | | | |
| 100. | | | CB | 77LAN | 01 |
| Sb (ppm) | | | | | |
| | 10. | L* | ICPES | 81CHU | 01 |

TABLE JJ (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Se (ppm) | | | | | |
| | 30. | L* | ICPES | 81CHU | 01 |
| Si (%) | | | | | |
| 2.28 | 0.05 | | COLOR | 81FON | 01 |
| 2.32 | | | OES | 73BES | 01 |
| Sm (ppm) | | | | | |
| | 5. | L* | ICPES | 81CHU | 01 |
| Sn (ppm) | | | | | |
| | 3. | L* | ICPES | 81CHU | 01 |
| Sr (ppm) | | | | | |
| 1200. | | | OES | 75THO | 01 |
| 1208. | 24. | | ICPES | 81CHU | 01 |
| Th (ppm) | | | | | |
| | 25. | L* | ICPES | 81CHU | 01 |
| Ti (ppm) | | | | | |
| 292. | 6. | | ICPES | 81CHU | 01 |
| 300. | | | OES | 73BES | 01 |
| U (ppm) | | | | | |
| | 30. | L* | ICPES | 81CHU | 01 |
| V (ppm) | | | | | |
| 30.1 | 1.4 | | ICPES | 81CHU | 01 |
| Yb (ppm) | | | | | |
| 2.1 | 0.1 | | ICPES | 81CHU | 01 |
| Zn (ppm) | | | | | |
| 40.7 | 2. | | ICPES | 81CHU | 01 |
| Zr (ppm) | | | | | |
| 16. | 1. | | ICPES | 81CHU | 01 |

TABLE KK

NBS SRM 278—COLLECTED DATA

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Al (%) | | | | | |
| 7.43 | 0.57 | | ITNA | 82GRA | 01 |
| 7.8 | 0.2 | | TCGS | 82GRA | 01 |
| As (ppm) | | | | | |
| 4.68 | 0.13 | | ITNA | 81AHM | 01 |
| 5.06 | 1.29 | | ITNA | 82GRA | 01 |
| 5.1 | 0.88 | | ITNA | 82VOG | 01 |
| Au (ppb) | | | | | |
| 1.6 | 0.8 | | ITNA | 82GRA | 01 |
| 2.64 | 0.52 | | ITNA | 82VOG | 01 |
| B (ppm) | | | | | |
| 24.9 | 0.5 | | TCGS | 82VOG | 01 |
| 25.2 | 0.4 | | TCGS | 82GRA | 01 |
| 25.3 | 1. | | TCGS | 83GLA | 03 |
| Ba (ppm) | | | | | |
| 885. | 54. | | ITNA | 81AHM | 01 |
| 1060. | 40. | | ITNA | 82VOG | 01 |
| 1080. | 58. | | ITNA | 82GRA | 01 |
| Br (ppm) | | | | | |
| 2.61 | 0.62 | | ITNA | 82GRA | 01 |
| 2.65 | 0.2 | | ITNA | 81AHM | 01 |
| 2.99 | 1.01 | | ITNA | 82VOG | 01 |
| Ca (ppm) | | | | | |
| 6000. | 1000. | | TCGS | 82GRA | 01 |
| 7300. | 300. | | TCGS | 82VOG | 01 |
| 7500. | 1200. | | ITNA | 82GRA | 01 |
| Ce (ppm) | | | | | |
| 56.5 | 1.9 | | ITNA | 81AHM | 01 |
| 56.5 | 2.9 | | ITNA | 80AHM | 01 |
| 59.4 | 6.8 | | ITNA | 82GRA | 01 |
| 66.5 | 9.3 | | ITNA | 82VOG | 01 |
| Cl (ppm) | | | | | |
| 640. | 90. | | TCGS | 82GRA | 01 |
| Co (ppm) | | | | | |
| 1.85 | 0.18 | | ITNA | 82GRA | 01 |
| 1.89 | 0.31 | | ITNA | 82VOG | 01 |
| 2.04 | 0.22 | | ITNA | 81AHM | 01 |
| Cr (ppm) | | | | | |
| 6.34 | 0.93 | | ITNA | 82GRA | 01 |
| 6.42 | 0.28 | | ITNA | 82VOG | 01 |
| 6.79 | 0.44 | | ITNA | 81AHM | 01 |

TABLE KK (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Cs (ppm) | | | | | |
| 4.92 | 0.34 | | ITNA | 82GRA | 01 |
| 5.12 | 0.44 | | ITNA | 81AHM | 01 |
| 5.3 | 0.25 | | ITNA | 82VOG | 01 |
| 5.3 | 0.7 | | ITNA | 83GLA | 01 |
| Eu (ppb) | | | | | |
| 764. | 56. | | ITNA | 82GRA | 01 |
| 796. | 9. | | ITNA | 82VOG | 01 |
| 820. | 30. | | ITNA | 81AHM | 01 |
| 820. | 30. | | ITNA | 80AHM | 01 |
| Fe (%) | | | | | |
| 1.14 | 0.23 | * | ITNA | 81AHM | 01 |
| 1.32 | 0.17 | | TCGS | 82GRA | 01 |
| 1.52 | 0.05 | | ITNA | 82GRA | 01 |
| 1.54 | 0.01 | | ITNA | 82VOG | 01 |
| 1.55 | 0.06 | | TCGS | 82VOG | 01 |
| Ga (ppm) | | | | | |
| 10. | 3. | | ITNA | 82GRA | 01 |
| 12.47 | 2.53 | | ITNA | 82VOG | 01 |
| Gd (ppm) | | | | | |
| 4.5 | | | ITNA | 82GRA | 01 |
| 5.28 | 0.06 | | TCGS | 82VOG | 01 |
| 5.34 | 0.08 | | TCGS | 82GRA | 01 |
| 37.74 | 1.5 | * | ITNA | 81AHM | 01 |
| 37.74 | 1.5 | * | ITNA | 80AHM | 01 |
| H (%) | | | | | |
| 0.089 | 0.012 | | TCGS | 82VOG | 01 |
| Hf (ppm) | | | | | |
| 6.41 | 0.24 | | ITNA | 81AHM | 01 |
| 8.82 | 0.73 | | ITNA | 82GRA | 01 |
| 8.86 | 0.73 | | ITNA | 82VOG | 01 |
| In (ppb) | | | | | |
| 43.6 | 2.7 | | ITNA | 81AHM | 01 |
| K (%) | | | | | |
| 3.42 | 0.34 | | ITNA | 82GRA | 01 |
| 3.44 | 0.08 | | TCGS | 82GRA | 01 |
| 3.58 | 0.7 | | TCGS | 82VOG | 01 |
| 4.23 | 0.13 | * | ITNA | 81AHM | 01 |
| La (ppm) | | | | | |
| 27.59 | 0.38 | | ITNA | 81AHM | 01 |
| 27.6 | 0.4 | | ITNA | 80AHM | 01 |
| 35.4 | 2.5 | | ITNA | 82GRA | 01 |
| 35.8 | 1.5 | | ITNA | 82VOG | 01 |

TABLE KK (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Lu (ppb) | | | | | |
| 740. | 50. | | ITNA | 80AHM | 01 |
| 745. | 310. | | ITNA | 81AHM | 01 |
| 820. | 39. | | ITNA | 82VOG | 01 |
| 836. | 50. | | ITNA | 82GRA | 01 |
| Mn (ppm) | | | | | |
| 367. | 15. | | ITNA | 82VOG | 01 |
| 400. | 50. | | ITNA | 82GRA | 01 |
| 409. | 15. | | ITNA | 81AHM | 01 |
| 430. | 70. | | TCGS | 82GRA | 01 |
| Mo (ppm) | | | | | |
| 3.73 | 0.52 | | ITNA | 82VOG | 01 |
| 3.73 | 0.52 | | ITNA | 82GRA | 01 |
| Na (%) | | | | | |
| 2.6 | 0.2 | | TCGS | 82GRA | 01 |
| 3.3 | 0.4 | | ITNA | 82VOG | 01 |
| 3.46 | 0.26 | | ITNA | 82GRA | 01 |
| 3.9 | 0.23 | | ITNA | 81AHM | 01 |
| Nd (ppm) | | | | | |
| 28.2 | 1. | | ITNA | 82GRA | 01 |
| Rb (ppm) | | | | | |
| 130. | 12. | | ITNA | 82GRA | 01 |
| 138. | 10. | | ITNA | 82VOG | 01 |
| 143.17 | 2.63 | | ITNA | 81AHM | 01 |
| Sb (ppm) | | | | | |
| 1.59 | 0.05 | | ITNA | 82VOG | 01 |
| 1.61 | 0.13 | | ITNA | 82GRA | 01 |
| 1.7 | 0.4 | | ITNA | 81AHM | 01 |
| 1.9 | | | ITNA | 83GLA | 01 |
| Sc (ppm) | | | | | |
| 4.16 | 0.21 | | ITNA | 81AHM | 01 |
| 5. | 0.1 | | ITNA | 83GLA | 01 |
| 5.24 | 0.14 | | ITNA | 82GRA | 01 |
| 5.31 | 0.05 | | ITNA | 82VOG | 01 |
| Si (%) | | | | | |
| 33.2 | 0.7 | | TCGS | 82VOG | 01 |
| 36.6 | 1.3 | | TCGS | 82GRA | 01 |
| Sm (ppm) | | | | | |
| 5.61 | 0.05 | | TCGS | 82VOG | 01 |
| 5.66 | 0.1 | | TCGS | 82GRA | 01 |
| 5.69 | 0.62 | | ITNA | 82GRA | 01 |
| 5.7 | 0.7 | | ITNA | 82VOG | 01 |

TABLE KK (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Ta (ppm) | | | | | |
| 1.23 | 0.19 | | ITNA | 82GRA | 01 |
| 1.23 | 0.16 | | ITNA | 82VOG | 01 |
| 1.32 | 0.18 | | ITNA | 81AHM | 01 |
| Tb (ppm) | | | | | |
| 1.12 | 0.22 | | ITNA | 82VOG | 01 |
| 1.14 | 0.1 | | ITNA | 82GRA | 01 |
| 1.23 | 0.03 | | ITNA | 81AHM | 01 |
| 1.23 | 0.08 | | ITNA | 80AHM | 01 |
| Th (ppm) | | | | | |
| 12.27 | 0.77 | | ITNA | 81AHM | 01 |
| 12.27 | 0.77 | | ITNA | 80CHA | 02 |
| 12.8 | 0.3 | | ITNA | 82GRA | 01 |
| 13.1 | 0.2 | | ITNA | 82VOG | 01 |
| Ti (ppm) | | | | | |
| 1450. | 90. | | TCGS | 82GRA | 01 |
| 1500. | 40. | | TCGS | 82VOG | 01 |
| Tm (ppm) | | | | | |
| 0.301 | 0.02 | | ITNA | 81AHM | 01 |
| U (ppm) | | | | | |
| 4.204 | 0.284 | | ITNA | 81AHM | 01 |
| 4.58 | | | DNA | 83GLA | 01 |
| 4.82 | 0.35 | | ITNA | 82GRA | 01 |
| 4.96 | 0.33 | | ITNA | 82VOG | 01 |
| Yb (ppm) | | | | | |
| 3.58 | 0.25 | | ITNA | 81AHM | 01 |
| 3.58 | 0.25 | | ITNA | 80AHM | 01 |
| 4.54 | 0.86 | | ITNA | 82GRA | 01 |
| 5.09 | 0.95 | | ITNA | 82VOG | 01 |
| Zn (ppm) | | | | | |
| 54. | 2.5 | | ITNA | 82GRA | 01 |
| 57.4 | 3.6 | | ITNA | 82VOG | 01 |
| Zr (ppm) | | | | | |
| 285. | 16. | | ITNA | 82GRA | 01 |
| 311. | 50. | | ITNA | 82VOG | 01 |

TABLE LL

NBS SRM 4350—COLLECTED DATA

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Cs-137 (PCi | | | | | |
| 2.5 | 0.35 | | GAMMA | 83GLA | 01 |
| I (ppb) | | | | | |
| 5400. | 5000. | | RTNA | 79BRA | 01 |
| I-129 (FCi) | | | | | |
| Pu-239 (PCi) | | | | | |
| 0.033 | 0.001 | | AS | 81CAR | 01 |

TABLE MM

NBS SRM 4350B—COLLECTED DATA

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Am-241 (PCi) | | | | | |
| 0.005 | | | AS | 83GLA | 01 |
| Co-6 (PCi) | | | | | |
| 0.13 | 0.01 | | GAMMA | 82JEN | 03 |
| Cs-137 (PCi) | | | | | |
| 0.85 | 0.08 | | GAMMA | 83GLA | 01 |
| Pu-238 (FCi) | | | | | |
| 0.2 | 0.8 | | AS | 83GLA | 01 |
| Pu-239 (FCi) | | | | | |
| 11.6 | 2.5 | | AS | 83GLA | 01 |
| Th-230 (PCi) | | | | | |
| 0.8 | | | AS | 83GLA | 01 |

TABLE NN

NBS SRM 4353—COLLECTED DATA

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Am-241 (PCi) | | | | | |
| 0.042 | 0.008 | | AS | 83GLA | 01 |
| Cs-137 (PCi) | | | | | |
| 0.52 | 0.06 | | GAMMA | 83GLA | 01 |
| Pu-238 (FCi) | | | | | |
| 3.5 | 1.9 | | AS | 83GLA | 01 |
| Pu-239 (PCi) | | | | | |
| 0.202 | 0.039 | | AS | 83GLA | 01 |
| Th-230 (PCi) | | | | | |
| 1.2 | | | AS | 83GLA | 01 |

TABLE OO

NBS SRM 610—COLLECTED DATA

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Ag (ppm) | | | | | |
| 180. | 80. | | ITNA | 73SHE | 01 |
| As (ppm) | | | | | |
| 305. | 20. | | SSMS | 74BER | 01 |
| Au (ppm) | | | | | |
| 20. | 2. | | ITNA | 73SHE | 01 |
| B (ppm) | | | | | |
| 368. | 12. | | ICPES | 82OWE | 01 |
| Ba (ppm) | | | | | |
| 638. | 24. | | SSMS | 74BER | 01 |
| Be (ppm) | | | | | |
| 450. | 50. | | CPAA | 82LAS | 01 |
| Bi (ppm) | | | | | |
| 405. | 18. | | SSMS | 74BER | 01 |
| Ca (%) | | | | | |
| 7.64 | 0.002 | | SSMS | 74BER | 01 |
| Cd (ppm) | | | | | |
| 187. | 21. | | SSMS | 74BER | 01 |
| Ce (ppm) | | | | | |
| 318. | 14. | | SSMS | 74BER | 01 |
| Co (ppm) | | | | | |
| 135. | 14. | | ITNA | 73SHE | 01 |
| 375. | 12. | | SSMS | 74BER | 01 |
| Cr (ppm) | | | | | |
| 371. | 15. | | SSMS | 74BER | 01 |
| Ga (ppm) | | | | | |
| 481. | 10. | | SSMS | 74BER | 01 |
| Ge (ppm) | | | | | |
| 496. | 10. | | SSMS | 74BER | 01 |
| Hf (ppm) | | | | | |
| 220. | 14. | | SSMS | 74BER | 01 |

TABLE OO (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| In (ppm) | | | | | |
| 319. | 11. | | SSMS | 74BER | 01 |
| Li (ppm) | | | | | |
| 354. | 27. | | CPAA | 82LAS | 01 |
| Mg (ppm) | | | | | |
| 472. | 22. | | SSMS | 74BER | 01 |
| Mn (ppm) | | | | | |
| 391. | 7. | | SSMS | 74BER | 01 |
| Mo (ppm) | | | | | |
| 307. | 19. | | SSMS | 74BER | 01 |
| Ni (ppm) | | | | | |
| 431. | 10. | | SSMS | 74BER | 01 |
| Pb (ppm) | | | | | |
| 392. | 11. | | SSMS | 74BER | 01 |
| Sb (ppm) | | | | | |
| 387. | 18. | | SSMS | 74BER | 01 |
| Ta (ppm) | | | | | |
| 206. | 9. | | SSMS | 74BER | 01 |
| Te (ppm) | | | | | |
| 259. | 21. | | SSMS | 74BER | 01 |
| Th (ppm) | | | | | |
| 469. | 7. | | SSMS | 74BER | 01 |
| Ti (ppm) | | | | | |
| 361. | 18. | | SSMS | 74BER | 01 |
| Tl (ppm) | | | | | |
| 52. | 35. | | SSMS | 74BER | 01 |
| U (ppm) | | | | | |
| 413. | 18. | | SSMS | 74BER | 01 |
| 430. | | | DNA | 83GLA | 01 |
| 470. | 90. | 17 | DNA | 82CON | 01 |
| 471. | 28. | 17 | DNA | 82CON | 01 |
| U-235 (a%) | | | | | |
| 0.251 | 0.009 | | RTNA | 83GLA | 01 |

TABLE OO (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| V (ppm) | | | | | |
| 206. | 10. | | SSMS | 74BER | 01 |

TABLE PP

NBS SRM 612—COLLECTED DATA

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Ag (ppm) | | | | | |
| 31. | 7. | | ITNA | 73SHE | 01 |
| Au (ppm) | | | | | |
| 5. | 1. | | ITNA | 73SHE | 01 |
| B (ppm) | | | | | |
| 40. | 4. | | ICPES | 82OWE | 01 |
| Be (ppm) | | | | | |
| 31. | 7. | | CPAA | 82LAS | 01 |
| Ce (ppm) | | | | | |
| 37. | 2. | | ITNA | 73SHE | 01 |
| Co (ppm) | | | | | |
| 31. | 1. | | ITNA | 73SHE | 01 |
| Eu (ppm) | | | | | |
| 26. | 1. | | ITNA | 73SHE | 01 |
| La (ppm) | | | | | |
| 35. | 15. | | ITNA | 73SHE | 01 |
| Li (ppm) | | | | | |
| 44. | 8. | | CPAA | 82LAS | 01 |
| Pb (ppm) | | | | | |
| 38.56 | 0.11 | | IDMS | 77GUL | 01 |
| Th (ppm) | | | | | |
| 31. | 1. | | ITNA | 73SHE | 01 |
| U (ppm) | | | | | |
| 35.74 | | | NT | 80VIR | 01 |
| 36.3 | 7.2 | 17 | DNA | 82CON | 01 |
| 37.66 | 0.08 | | IDMS | 77GUL | 01 |
| 39. | 4.9 | 17 | DNA | 82CON | 01 |
| 40. | | | DNA | 83GLA | 01 |
| U-235 (a%) | | | | | |
| 0.229 | 0.011 | | RTNA | 83GLA | 01 |

TABLE QQ

NBS SRM 614—COLLECTED DATA

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Ag (ppm) | | | | | |
| 0.471 | 0.06 | | FAA | 82JEN | 02 |
| 0.57 | 0.07 | | ITNA | 73SHE | 01 |
| Au (ppm) | | | | | |
| 0.28 | 0.14 | | FAA | 82JEN | 02 |
| 1. | 0.8 | | ITNA | 73SHE | 01 |
| Co (ppm) | | | | | |
| 0.59 | 0.1 | | ITNA | 73SHE | 01 |
| Cu (ppm) | | | | | |
| 1.61 | 0.32 | | FAA | 82JEN | 02 |
| Eu (ppm) | | | | | |
| 1.1 | 0.6 | | ITNA | 73SHE | 01 |
| La (ppm) | | | | | |
| | 2. | | ITNA | 73SHE | 01 |
| Sb (ppm) | | | | | |
| 1.1 | 0.1 | | ITNA | 73SHE | 01 |
| Sc (ppm) | | | | | |
| 0.68 | 0.23 | | ITNA | 73SHE | 01 |
| Th (ppm) | | | | | |
| 0.58 | 0.15 | | ITNA | 73SHE | 01 |
| Tl (ppm) | | | | | |
| 0.29 | 0.05 | | RTNA | 82COH | 01 |
| U (ppm) | | | | | |
| 0.74 | | | NT | 80VIR | 01 |

TABLE RR

NBS SRM 616—COLLECTED DATA

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Sb (ppb) | | | | | |
| 12. | 20. | | ITNA | 73SHE | 01 |
| Sc (ppb) | | | | | |
| 20. | 4. | | ITNA | 73SHE | 01 |
| Th (ppb) | | | | | |
| 18. | 2. | | ITNA | 73SHE | 01 |

TABLE SS

NBS SRM 688—COLLECTED DATA

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Al (%) | | | | | |
| 8.54 | 0.39 | | ITNA | 82GRA | 01 |
| 9.3 | 0.2 | | TCGS | 82GRA | 01 |
| As (ppm) | | | | | |
| 2.68 | 0.54 | | ITNA | 82GRA | 01 |
| Au (ppb) | | | | | |
| 0.9 | 0.4 | | ITNA | 82GRA | 01 |
| B (ppm) | | | | | |
| 0.88 | 0.14 | | TCGS | 82GRA | 01 |
| 1.3 | 0.2 | | TCGS | 83GLA | 03 |
| Ba (ppm) | | | | | |
| 197. | 33. | | ITNA | 82GRA | 01 |
| 210. | 30. | | ITNA | 83GLA | 01 |
| Ca (%) | | | | | |
| 7.9 | 0.2 | | TCGS | 82GRA | 01 |
| 8.2 | 0.6 | | ITNA | 82GRA | 01 |
| Ce (ppm) | | | | | |
| 10.1 | 3.9 | | ITNA | 82GRA | 01 |
| Co (ppm) | | | | | |
| 47.5 | 1.5 | | ITNA | 82GRA | 01 |
| 55.6 | 1.2 | | ITNA | 83GLA | 01 |
| Cr (ppm) | | | | | |
| 328. | 15. | | ITNA | 82GRA | 01 |
| 330. | 10. | | ITNA | 83GLA | 01 |
| Cs (ppb) | | | | | |
| 210. | 110. | | ITNA | 83GLA | 01 |
| Eu (ppm) | | | | | |
| 0.919 | 0.048 | | ITNA | 82GRA | 01 |
| 1.01 | 0.05 | | ITNA | 83GLA | 01 |
| Fe (%) | | | | | |
| 7.1 | 0.06 | | ITNA | 83GLA | 01 |
| 7.23 | 0.19 | | ITNA | 82GRA | 01 |
| 7.23 | 0.17 | | TCGS | 82GRA | 01 |
| Ga (ppm) | | | | | |
| 57. | 10. | | ITNA | 82GRA | 01 |

TABLE SS (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Gd (ppm) | | | | | |
| 2.5 | | | ITNA | 82GRA | 01 |
| 2.82 | 0.08 | | TCGS | 82GRA | 01 |
| Hf (ppm) | | | | | |
| 1.46 | 0.13 | | ITNA | 83GLA | 01 |
| 1.58 | 0.14 | | ITNA | 82GRA | 01 |
| K (ppm) | | | | | |
| 1700. | 100. | | TCGS | 82GRA | 01 |
| La (ppm) | | | | | |
| 5.9 | 0.2 | | ITNA | 83GLA | 01 |
| 7.54 | 0.93 | | ITNA | 82GRA | 01 |
| Lu (ppb) | | | | | |
| 342. | 57. | | ITNA | 82GRA | 01 |
| Mg (%) | | | | | |
| 3.9 | 0.8 | | ITNA | 82GRA | 01 |
| 5.7 | 0.4 | | TCGS | 82GRA | 01 |
| Mn (ppm) | | | | | |
| 1120. | 60. | | TCGS | 82GRA | 01 |
| 1180. | 70. | | ITNA | 82GRA | 01 |
| 1290. | 60. | | ITNA | 83GLA | 01 |
| Na (%) | | | | | |
| 1.05 | 0.07 | | TCGS | 82GRA | 01 |
| 1.39 | 0.12 | | ITNA | 82GRA | 01 |
| 1.61 | 0.01 | | ITNA | 83GLA | 01 |
| Nd (ppm) | | | | | |
| 9.95 | 1.08 | | ITNA | 82GRA | 01 |
| Ni (ppm) | | | | | |
| 123. | 29. | | ITNA | 82GRA | 01 |
| Sb (ppb) | | | | | |
| 420. | | | ITNA | 83GLA | 01 |
| 466. | 207. | | ITNA | 82GRA | 01 |
| Sc (ppm) | | | | | |
| 36.1 | 0.9 | | ITNA | 82GRA | 01 |
| 36.3 | 0.5 | | ITNA | 83GLA | 01 |
| Si (%) | | | | | |
| 24.6 | 0.6 | | TCGS | 82GRA | 01 |

TABLE SS (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Sm (ppm) | | | | | |
| 2.09 | 0.22 | | ITNA | 82GRA | 01 |
| 2.31 | 0.08 | | TCGS | 82GRA | 01 |
| 2.54 | 0.07 | | ITNA | 83GLA | 01 |
| Sr (ppm) | | | | | |
| 179. | 14. | | IENA | 83GLA | 01 |
| Ta (ppb) | | | | | |
| 246. | 58. | | ITNA | 82GRA | 01 |
| 380. | 70. | | ITNA | 83GLA | 01 |
| Tb (ppb) | | | | | |
| 462. | 25. | | ITNA | 82GRA | 01 |
| 520. | 60. | | ITNA | 83GLA | 01 |
| Th (ppb) | | | | | |
| 460. | 130. | | ITNA | 83GLA | 01 |
| Ti (ppm) | | | | | |
| 7000. | 700. | | ITNA | 82GRA | 01 |
| 7200. | 200. | | TCGS | 82GRA | 01 |
| U (ppb) | | | | | |
| 280. | | | DNA | 83GLA | 01 |
| 340. | 80. | | ITNA | 82GRA | 01 |
| V (ppm) | | | | | |
| 235. | 25. | | ITNA | 82GRA | 01 |
| Yb (ppm) | | | | | |
| 1.86 | 0.27 | | ITNA | 82GRA | 01 |
| Zr (ppm) | | | | | |
| 58.6 | 8.7 | | ITNA | 82GRA | 01 |

## TABLE TT

### NBS SRM 70—COLLECTED DATA

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Ba (ppm) | | | | | |
| 380. | 17. | | ITNA | 77FLA | 01 |
| Ce (ppm) | | | | | |
| | 4. | L* | ITNA | 77FLA | 01 |
| Co (ppb) | | | | | |
| 100. | | | ITNA | 77FLA | 01 |
| Cr (ppm) | | | | | |
| | 2. | L* | ITNA | 77FLA | 01 |
| Cs (ppm) | | | | | |
| 6.6 | 0.19 | | ITNA | 77FLA | 01 |
| Eu (ppb) | | | | | |
| 400. | 10. | | ITNA | 77FLA | 01 |
| Fe (ppm) | | | | | |
| 300. | | | ITNA | 77FLA | 01 |
| Hf (ppb) | | | | | |
| | 200. | L* | ITNA | 77FLA | 01 |
| Hg (ppb) | | | | | |
| 98. | 5.95 | | FAA | 82FLA | 01 |
| La (ppm) | | | | | |
| | 3. | L* | ITNA | 77FLA | 01 |
| Lu (ppb) | | | | | |
| | 40. | L* | ITNA | 77FLA | 01 |
| Nd (ppm) | | | | | |
| | 3. | L* | ITNA | 77FLA | 01 |
| Rb (ppm) | | | | | |
| 470. | 26. | | ITNA | 77FLA | 01 |
| Sb (ppb) | | | | | |
| | 500. | L* | ITNA | 77FLA | 01 |
| Sc (ppb) | | | | | |
| 40. | 3. | | ITNA | 77FLA | 01 |

### TABLE TT (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Sm (ppb) | | | | | |
| | 500. | L* | ITNA | 77FLA | 01 |
| Ta (ppb) | | | | | |
| | 200. | L* | ITNA | 77FLA | 01 |
| Tb (ppb) | | | | | |
| | 200. | L* | ITNA | 77FLA | 01 |
| Th (ppb) | | | | | |
| | 400. | L* | ITNA | 77FLA | 01 |
| Yb (ppb) | | | | | |
| | 300. | L* | ITNA | 77FLA | 01 |
| Zn (ppm) | | | | | |
| 6. | 0.71 | | ITNA | 77FLA | 01 |
| 7.3 | | | RTNA | 65BAL | 01 |
| 7.5 | | | XRF | 65BAL | 01 |
| Zr (ppm) | | | | | |
| | 75. | L* | ITNA | 77FLA | 01 |

TABLE UU

NBS SRM 70A—COLLECTED DATA

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Ba (ppm) | | | | | |
| 120. | 5. | | ITNA | 77FLA | 01 |
| 121.9 | | | IDMS | 69LAE | 01 |
| C (ppm) | | | | | |
| 50. | | | CB | 78TER | 01 |
| Ca (ppm) | | | | | |
| 640. | | | AA | 73RAM | 01 |
| Cd (ppb) | | | | | |
| 8.7 | | | IDMS | 74ROS | 02 |
| Ce (ppm) | | | | | |
| | 4. | L* | ITNA | 77FLA | 01 |
| Co (ppb) | | | | | |
| 200. | | | ITNA | 77FLA | 01 |
| Cr (ppm) | | | | | |
| | 4. | L* | ITNA | 77FLA | 01 |
| Cs (ppm) | | | | | |
| 9.28 | 0.15 | | ITNA | 77FLA | 01 |
| 10. | | | AA | 72ALL | 01 |
| Eu (ppb) | | | | | |
| 570. | 10. | | ITNA | 77FLA | 01 |
| Fe (ppm) | | | | | |
| 490. | | | AA | 73RAM | 01 |
| 600. | | | ITNA | 77FLA | 01 |
| Hf (ppb) | | | | | |
| | 300. | L* | ITNA | 77FLA | 01 |
| Hg (ppb) | | | | | |
| 15. | 1.03 | | FAA | 82FLA | 01 |
| K (%) | | | | | |
| 9.71 | | | ISE | 75PUF | 01 |
| 9.71 | | | FE | 75PUF | 01 |
| 9.79 | | | AA | 73RAM | 01 |
| La (ppm) | | | | | |
| | 2. | L* | ITNA | 77FLA | 01 |

TABLE UU (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Lu (ppb) | | | | | |
| | 100. | L* | ITNA | 77FLA | 01 |
| 8. | | | IDMS | 76MCC | 03 |
| Na (%) | | | | | |
| 1.8 | | | ISE | 75PUF | 01 |
| 1.87 | | | AA | 73RAM | 01 |
| 1.9 | | | FE | 75PUF | 01 |
| Nd (ppm) | | | | | |
| | 3. | L* | ITNA | 77FLA | 01 |
| Rb (ppm) | | | | | |
| 519.1 | | | IDMS | 82KRA | 01 |
| 523.4 | | | IDMS | 70LAE | 01 |
| 524.2 | 1.5 | | IDMS | 74COR | 01 |
| 529.8 | 1.6 | | IDMS | 69COM | 01 |
| 529.9 | 1. | | XRF | 69COM | 01 |
| 530. | 15. | | ITNA | 77FLA | 01 |
| 540. | | | AA | 72ALL | 01 |
| S (ppm) | | | | | |
| 3. | | | CB | 78TER | 01 |
| Sb (ppb) | | | | | |
| | 400. | L* | ITNA | 77FLA | 01 |
| Sc (ppb) | | | | | |
| 110. | 3. | | ITNA | 77FLA | 01 |
| Se (ppm) | | | | | |
| 66.1 | 0.2 | | XRF | 69COM | 01 |
| Sm (ppb) | | | | | |
| | 200. | L* | ITNA | 77FLA | 01 |
| Sn (ppm) | | | | | |
| 0.75 | | | AA | 82TER | 01 |
| Sr (ppm) | | | | | |
| 64. | 0.4 | | IDMS | 74COR | 01 |
| 65.1 | 0.1 | | IDMS | 69COM | 01 |
| 65.5 | | | IDMS | 82KRA | 01 |
| 66.4 | | | IDMS | 70LAE | 01 |
| Sr 87/86 | | | | | |
| 1.202 | 0.001 | | IDMS | 69COM | 01 |
| 1.1978 | 0.0033 | | IDMS | 74COR | 01 |

TABLE UU (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Ta (ppb) | | | | | |
| 150. | 8. | | ITNA | 77FLA | 01 |
| Tb (ppb) | | | | | |
| | 200. | L* | ITNA | 77FLA | 01 |
| Th (ppb) | | | | | |
| 300. | | | ITNA | 77FLA | 01 |
| Tl (ppm) | | | | | |
| 2.715 | 0.217 | 7 | ASV | 82CAL | 01 |
| 2.906 | 0.25 | 7 | ASV | 82CAL | 01 |
| Yb (ppb) | | | | | |
| | 500. | L* | ITNA | 77FLA | 01 |
| Zn (ppm) | | | | | |
| | 5. | L* | ITNA | 77FLA | 01 |
| Zr (ppm) | | | | | |
| | 90. | L* | ITNA | 77FLA | 01 |

TABLE VV

NBS SRM 76—COLLECTED DATA

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Al (%) | | | | | |
| 20.05 | | | WXRF | 67KOD | 01 |
| Ca (ppm) | | | | | |
| 1600. | | | WXRF | 67KOD | 01 |
| Fe (%) | | | | | |
| 1.47 | 0.01 | | COLOR | 59COL | 01 |
| 1.59 | | | WXRF | 67KOD | 01 |
| K (%) | | | | | |
| 1.29 | | | WXRF | 67KOD | 01 |
| Mg (ppm) | | | | | |
| 2800. | | | WXRF | 67KOD | 01 |
| Mn (ppm) | | | | | |
| 230. | | | WXRF | 67KOD | 01 |
| Si (%) | | | | | |
| 25.76 | | | WXRF | 67KOD | 01 |
| Sr (ppm) | | | | | |
| 85. | | | WXRF | 67KOD | 01 |
| Ti (%) | | | | | |
| 1.34 | | | WXRF | 67KOD | 01 |

## TABLE WW

### NBS SRM 77—COLLECTED DATA

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Al (%) | | | | | |
| 30.63 | | | WXRF | 67KOD | 01 |
| 31.4 | | | XRF | 72ASH | 01 |
| Ca (ppm) | | | | | |
| 1400. | | | WXRF | 67KOD | 01 |
| Fe (ppm) | | | | | |
| 5200. | | | WXRF | 67KOD | 01 |
| 5700. | 100. | | COLOR | 59COL | 01 |
| K (%) | | | | | |
| 1.79 | | | WXRF | 67KOD | 01 |
| Mg (ppm) | | | | | |
| 2200. | | | WXRF | 67KOD | 01 |
| Mn (ppm) | | | | | |
| 80. | | | WXRF | 67KOD | 01 |
| Si (%) | | | | | |
| 15.3 | | | XRF | 72ASH | 01 |
| 15.34 | | | WXRF | 67KOD | 01 |
| Sr (ppm) | | | | | |
| 1200. | | | WXRF | 67KOD | 01 |
| Ti (%) | | | | | |
| 1.82 | | | WXRF | 67KOD | 01 |

## TABLE XX

### NBS SRM 88—COLLECTED DATA

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Ca (%) | | | | | |
| 21.81 | 0.03 | | TITR | 80HIT | 02 |
| Co (ppm) | | | | | |
| 0.7 | 0.6 | | RTNA | 61TUR | 01 |
| Cr (ppm) | | | | | |
| 3.9 | | | RTNA | 61TUR | 01 |
| Fe (ppm) | | | | | |
| 580. | 10. | | COLOR | 59COL | 01 |
| S (ppm) | | | | | |
| 270. | | | CB | 55COL | 01 |
| 290. | | | CB | 77LAN | 01 |
| 300. | | | TURB | 73SHA | 01 |
| Sr (ppm) | | | | | |
| 55. | | | OES | 58GRA | 01 |
| 60. | | | RTNA | 61TUR | 01 |
| Ti (ppm) | | | | | |
| 24. | 4. | | RTNA | 65WAH | 01 |
| 340. | | | COLOR | 63KOR | 01 |

TABLE YY

NBS SRM 88A—COLLECTED DATA

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Ag (ppm) | | | | | |
| | 3. | L* | ICPES | 81CHU | 01 |
| Al (ppm) | | | | | |
| 300. | | | EXRF | 80DAL | 01 |
| 900. | 30. | | ICPES | 81CHU | 01 |
| As (ppm) | | | | | |
| | 5. | L* | ICPES | 81CHU | 01 |
| Au (ppm) | | | | | |
| | 3. | L* | ICPES | 81CHU | 01 |
| Ba (ppm) | | | | | |
| 13. | 0.26 | | ICPES | 81CHU | 01 |
| Be (ppb) | | | | | |
| 180. | 20. | | ICPES | 81CHU | 01 |
| Bi (ppm) | | | | | |
| | 25. | L* | ICPES | 81CHU | 01 |
| C (%) | | | | | |
| 12.83 | | | CB | 78TER | 01 |
| Ca (%) | | | | | |
| 20.96 | 0.69 | | ICPES | 81CHU | 01 |
| 22.5 | | | EXRF | 80DAL | 01 |
| Cd (ppm) | | | | | |
| | 2. | L* | ICPES | 81CHU | 01 |
| Ce (ppm) | | | | | |
| | 15. | L* | ICPES | 81CHU | 01 |
| Co (ppm) | | | | | |
| 3. | 1. | | ICPES | 81CHU | 01 |
| Cr (ppm) | | | | | |
| 11.7 | 1. | | ICPES | 81CHU | 01 |
| Cu (ppm) | | | | | |
| 2.5 | 1. | | ICPES | 81CHU | 01 |
| Eu (ppm) | | | | | |
| 1.2 | 0.6 | | ICPES | 81CHU | 01 |

TABLE YY (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Fe (ppm) | | | | | |
| 2050. | 40. | | ICPES | 81CHU | 01 |
| 2200. | | | EXRF | 80DAL | 01 |
| Gd (ppm) | | | | | |
| 3.4 | 0.35 | | ICPES | 81CHU | 01 |
| Hg (ppb) | | | | | |
| 28.2 | 0.68 | | FAA | 82FLA | 01 |
| K (ppm) | | | | | |
| 700. | | | EXRF | 80DAL | 01 |
| 1000. | 25. | | ICPES | 81CHU | 01 |
| La (ppm) | | | | | |
| | 5. | L* | ICPES | 81CHU | 01 |
| Li (ppm) | | | | | |
| | 2. | L* | ICPES | 81CHU | 01 |
| Mg (%) | | | | | |
| 13. | | | EXRF | 80DAL | 01 |
| 13.06 | 0.4 | | ICPES | 81CHU | 01 |
| Mn (ppm) | | | | | |
| 150. | | | EXRF | 80DAL | 01 |
| 210. | 6.3 | | ICPES | 81CHU | 01 |
| Mo (ppm) | | | | | |
| | 3. | L* | ICPES | 81CHU | 01 |
| Na (ppm) | | | | | |
| 104. | 7. | | ICPES | 81CHU | 01 |
| Nd (ppm) | | | | | |
| | 20. | L* | ICPES | 81CHU | 01 |
| Ni (ppm) | | | | | |
| | 3. | L* | ICPES | 81CHU | 01 |
| P (ppm) | | | | | |
| 70. | 4. | | ICPES | 81CHU | 01 |
| 220. | | | EXRF | 80DAL | 01 |
| Pb (ppm) | | | | | |
| 27. | 3. | | ICPES | 81CHU | 01 |

TABLE YY (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| S (ppm) | | | | | |
| 4. | | | CB | 78TER | 01 |
| 21. | | | CB | 77LAN | 01 |
| Sb (ppm) | | | | | |
| | 10. | L* | ICPES | 81CHU | 01 |
| Se (ppm) | | | | | |
| | 30. | L* | ICPES | 81CHU | 01 |
| Si (ppm) | | | | | |
| 4100. | | | EXRF | 80DAL | 01 |
| Sm (ppm) | | | | | |
| | 5. | L* | ICPES | 81CHU | 01 |
| Sn (ppm) | | | | | |
| | 3. | L* | ICPES | 81CHU | 01 |
| Sr (ppm) | | | | | |
| 41. | 0.8 | | ICPES | 81CHU | 01 |
| 96. | | | OES | 75THO | 01 |
| Th (ppm) | | | | | |
| | 25. | L* | ICPES | 81CHU | 01 |
| Ti (ppm) | | | | | |
| 66. | 2. | | ICPES | 81CHU | 01 |
| 180. | | | EXRF | 80DAL | 01 |
| U (ppm) | | | | | |
| | 25. | L* | ICPES | 81CHU | 01 |
| V (ppm) | | | | | |
| 9. | 1. | | ICPES | 81CHU | 01 |
| Yb (ppm) | | | | | |
| 1.2 | 0.04 | | ICPES | 81CHU | 01 |
| Zn (ppm) | | | | | |
| 4.1 | 1. | | ICPES | 81CHU | 01 |
| Zr (ppm) | | | | | |
| | 1. | L* | ICPES | 81CHU | 01 |

TABLE ZZ

NBS SRM 91—COLLECTED DATA

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Al (%) | | | | | |
| 3.21 | | 35 | TCGS | 78GLA | 04 |
| B (ppm) | | | | | |
| 302. | | | OES | 64FIL | 01 |
| Ba (ppm) | | | | | |
| 79. | | | OES | 72AVN | 01 |
| Ca (%) | | | | | |
| 7.54 | | 35 | TCGS | 78GLA | 04 |
| Co (ppm) | | | | | |
| 4.5 | | | OES | 72AVN | 01 |
| Cr (ppm) | | | | | |
| 26. | | | OES | 64FIL | 01 |
| 26. | | | OES | 72AVN | 01 |
| Cu (ppm) | | | | | |
| 16. | | | OES | 72AVN | 01 |
| F (%) | | | | | |
| 5.1 | | * | IC | 82WIL | 02 |
| 5.16 | | *35 | IENA | 79GLA | 03 |
| 5.6 | 0.16 | 11 | ISE | 77HOP | 01 |
| 5.62 | 0.08 | | NAA | 80NOR | 01 |
| 5.68 | 0.15 | | ISE | 77TRO | 01 |
| 5.7 | | 11 | ISE | 77HOP | 01 |
| 5.72 | | | ISE | 70ING | 01 |
| 5.75 | 0.003 | | ISE | 71PET | 01 |
| Fe (ppm) | | | | | |
| 430. | | | OES | 64FIL | 01 |
| 600. | | 35 | IENA | 79GLA | 03 |
| 4000. | | 35 | TCGS | 78GLA | 04 |
| 5200. | 100. | | COLOR | 59COL | 01 |
| Ga (ppm) | | | | | |
| 12. | | | OES | 72AVN | 01 |
| K (%) | | | | | |
| 2.68 | | 35 | TCGS | 78GLA | 04 |
| Mg (ppm) | | | | | |
| 60. | | 35 | TCGS | 78GLA | 04 |

TABLE ZZ (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Mn (ppm) | | | | | |
| 39. | | | OES | 64FIL | 01 |
| 63. | | | OES | 72AVN | 01 |
| Na (%) | | | | | |
| 6.23 | | 35 | IENA | 79GLA | 03 |
| 6.32 | | 35 | TCGS | 78GLA | 04 |
| Ni (ppm) | | | | | |
| 0.79 | | 35 | IENA | 79GLA | 03 |
| 6. | | | OES | 72AVN | 01 |
| O (%) | | | | | |
| 49. | 0.6 | | 14NAA | 80NOR | 01 |
| Pb (ppm) | | | | | |
| 17. | | | OES | 64FIL | 01 |
| 1150. | | | OES | 72AVN | 01 |
| Si (%) | | | | | |
| 31.5 | 1.21 | | AA | 82KIS | 01 |
| 32.1 | | 35 | TCGS | 78GLA | 04 |
| 32.2 | | 35 | IENA | 79GLA | 03 |
| Sr (ppm) | | | | | |
| 39. | | | OES | 72AVN | 01 |
| Ti (ppm) | | | | | |
| | 350. | L* | IENA | 79GLA | 03 |
| 110. | | 35 | TCGS | 78GLA | 04 |
| 140. | | | OES | 72AVN | 01 |
| 156. | | | OES | 64FIL | 01 |
| U (ppb) | | | | | |
| 540. | | | DNA | 66HAM | 01 |
| V (ppm) | | | | | |
| 43. | | | OES | 72AVN | 01 |
| Zr (ppm) | | | | | |
| 47. | | | OES | 64FIL | 01 |

TABLE AAA

NBS SRM 950A—COLLECTED DATA

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| U238/235 | | | | | |
| 137.55 | 0.29 | | IDMS | 79UNR | 01 |
| 138.889 | 4761. | | MS | 82SMI | 01 |
| 137.9 | 0.2 | | IDMS | 81CHE | 02 |
| 138. | 0.4 | | IDMS | 81CHE | 01 |
| U234/238 | | | | | |
| 0.00005672 | | | IDMS | 80RIL | 01 |
| U235/238 | | | | | |
| 727.65 | | | IDMS | 80RIL | 01 |

TABLE BBB

NBS SRM 97—COLLECTED DATA

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Al (%) | | | | | |
| 20.47 | | | COLOR | 57SHI | 01 |
| 20.51 | | | CHEM | 57SHI | 01 |
| B (ppm) | | | | | |
| 57. | | | OES | 64FIL | 01 |
| 71.3 | | | OES | 77FLA | 01 |
| Ba (ppm) | | | | | |
| 110. | | | OES | 77FLA | 01 |
| 141. | | | OES | 58GRA | 01 |
| 270. | 21. | | ITNA | 77FLA | 01 |
| Be (ppm) | | | | | |
| 1.3 | | | OES | 77FLA | 01 |
| C (ppm) | | | | | |
| 3200. | | | CB | 78TER | 01 |
| Ce (ppm) | | | | | |
| 57. | 29. | | ITNA | 77FLA | 01 |
| 60.7 | | | OES | 77FLA | 01 |
| Co (ppm) | | | | | |
| 3.3 | 0.06 | | ITNA | 77FLA | 01 |
| 3.46 | | | OES | 77FLA | 01 |
| 4.4 | | | RTNA | 61TUR | 01 |
| Cr (ppm) | | | | | |
| 486. | | | OES | 77FLA | 01 |
| 500. | | | COLOR | 57SHI | 01 |
| 540. | | | CHEM | 57SHI | 01 |
| 576. | 14.4 | | ITNA | 77FLA | 01 |
| 581. | | | RTNA | 61TUR | 01 |
| 639. | | | AA | 80DON | 01 |
| Cs (ppm) | | | | | |
| 2.4 | 0.08 | | ITNA | 77FLA | 01 |
| Cu (ppm) | | | | | |
| 11. | | | OES | 64FIL | 01 |
| 18.5 | | | OES | 77FLA | 01 |
| 20. | | | CHEM | 57SHI | 01 |
| 22. | | | COLOR | 57SHI | 01 |
| Dy (ppm) | | | | | |
| 4.28 | | | OES | 77FLA | 01 |

TABLE BBB (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Eu (ppm) | | | | | |
| 1.24 | 0.03 | | ITNA | 77FLA | 01 |
| 1.56 | | | OES | 77FLA | 01 |
| Fe (ppm) | | | | | |
| 6500. | 100. | | COLOR | 59COL | 01 |
| 6600. | 100. | | ITNA | 77FLA | 01 |
| 6600. | | | COLOR | 57SHI | 01 |
| 6800. | | | CHEM | 57SHI | 01 |
| Ga (ppm) | | | | | |
| 45.1 | | | OES | 77FLA | 01 |
| Hf (ppm) | | | | | |
| 39.5 | 1.19 | | ITNA | 77FLA | 01 |
| Hg (ppb) | | | | | |
| 68. | | | FAA | 75HEI | 01 |
| 159.2 | 6.22 | | FAA | 82FLA | 01 |
| La (ppm) | | | | | |
| | 14.7 | L* | OES | 77FLA | 01 |
| 34. | 0.71 | | ITNA | 77FLA | 01 |
| Li (ppm) | | | | | |
| 1074. | | | OES | 77FLA | 01 |
| Lu (ppm) | | | | | |
| 0.96 | 0.02 | | ITNA | 77FLA | 01 |
| Mg (%) | | | | | |
| 0.13 | | | COLOR | 57SHI | 01 |
| 0.16 | | | CHEM | 57SHI | 01 |
| Mn (ppm) | | | | | |
| 16. | | | CHEM | 57SHI | 01 |
| 35. | | | OES | 64FIL | 01 |
| 99.7 | | | OES | 77FLA | 01 |
| Mo (ppm) | | | | | |
| 2. | | | CHEM | 57SHI | 01 |
| Nb (ppm) | | | | | |
| 35.6 | | | OES | 77FLA | 01 |
| Nd (ppm) | | | | | |
| 19. | | | ITNA | 77FLA | 01 |

TABLE BBB (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Ni (ppm) | | | | | |
| 32. | | | OES | 64FIL | 01 |
| 36.8 | | | OES | 77FLA | 01 |
| Pb (ppm) | | | | | |
| 34.3 | | | OES | 77FLA | 01 |
| 35. | | | FAA | 79HEI | 03 |
| Rb (ppm) | | | | | |
| 24. | 1.6 | | ITNA | 77FLA | 01 |
| S (ppm) | | | | | |
| 158. | | | CB | 78TER | 01 |
| 170. | | | CB | 55COL | 01 |
| 200. | | | TURB | 73SHA | 01 |
| Sb (ppm) | | | | | |
| 1.4 | 0.11 | | ITNA | 77FLA | 01 |
| Sc (ppm) | | | | | |
| 12.1 | | | OES | 77FLA | 01 |
| 20.7 | 0.17 | | ITNA | 77FLA | 01 |
| Si (%) | | | | | |
| 20. | | | TITR | 77OHL | 01 |
| Sm (ppm) | | | | | |
| | 4.64 | L* | OES | 77FLA | 01 |
| 5.8 | 0.08 | | ITNA | 77FLA | 01 |
| Sn (ppm) | | | | | |
| 7. | | | OES | 64FIL | 01 |
| 10.1 | | | OES | 77FLA | 01 |
| Sr (ppm) | | | | | |
| 30. | | | RTNA | 61TUR | 01 |
| 88. | | | OES | 58GRA | 01 |
| 101. | | | OES | 77FLA | 01 |
| Ta (ppm) | | | | | |
| 4.2 | 0.09 | | ITNA | 77FLA | 01 |
| Tb (ppm) | | | | | |
| 1.27 | 0.02 | | ITNA | 77FLA | 01 |
| Th (ppm) | | | | | |
| 37. | 0.48 | | ITNA | 77FLA | 01 |

TABLE BBB (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Ti (%) | | | | | |
| 1.3 | | | COLOR | 57SHI | 01 |
| 1.43 | | | CHEM | 57SHI | 01 |
| V (ppm) | | | | | |
| 148. | | | OES | 64FIL | 01 |
| 205. | | | COLOR | 57SHI | 01 |
| 234. | | | CHEM | 57SHI | 01 |
| 362. | | | OES | 77FLA | 01 |
| Y (ppm) | | | | | |
| 33. | | | OES | 64FIL | 01 |
| 37.6 | | | OES | 77FLA | 01 |
| Yb (ppm) | | | | | |
| 6.8 | 0.17 | | ITNA | 77FLA | 01 |
| 7.47 | | | OES | 77FLA | 01 |
| Zn (ppm) | | | | | |
| 81. | | | XRF | 65BAL | 01 |
| 103. | 3.15 | | ITNA | 77FLA | 01 |
| Zr (ppm) | | | | | |
| 1390. | 34.8 | | ITNA | 77FLA | 01 |

TABLE CCC

NBS SRM 97A—COLLECTED DATA

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| B (ppm) | | | | | |
| 69.4 | | | OES | 77FLA | 01 |
| Ba (ppm) | | | | | |
| 660. | 20.6 | | ITNA | 77FLA | 01 |
| Be (ppm) | | | | | |
| 3.55 | | | OES | 77FLA | 01 |
| C (ppm) | | | | | |
| 600. | | | CB | 78TER | 01 |
| Ce (ppm) | | | | | |
| 124. | | | OES | 77FLA | 01 |
| 203. | 3.51 | | ITNA | 77FLA | 01 |
| Co (ppm) | | | | | |
| 4.1 | 0.08 | | ITNA | 77FLA | 01 |
| 4.64 | | | OES | 77FLA | 01 |
| Cr (ppm) | | | | | |
| 180. | 4.1 | | ITNA | 77FLA | 01 |
| 203. | | | OES | 77FLA | 01 |
| Cs (ppm) | | | | | |
| 1.6 | 0.6 | | ITNA | 77FLA | 01 |
| Cu (ppm) | | | | | |
| 24.9 | | | OES | 77FLA | 01 |
| Dy (ppm) | | | | | |
| 8.89 | | | OES | 77FLA | 01 |
| Eu (ppm) | | | | | |
| 3.66 | | | OES | 77FLA | 01 |
| 3.81 | 0.02 | | ITNA | 77FLA | 01 |
| Fe (ppm) | | | | | |
| 3000. | 30. | | ITNA | 77FLA | 01 |
| Ga (ppm) | | | | | |
| 31.6 | | | OES | 77FLA | 01 |
| Hf (ppm) | | | | | |
| 11.3 | 0.39 | | ITNA | 77FLA | 01 |
| 15.4 | | | RTNA | 76GAN | 01 |

TABLE CCC (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Hg (ppb) | | | | | |
| 387.5 | 22.5 | | FAA | 82FLA | 01 |
| La (ppm) | | | | | |
| 43.7 | | | OES | 77FLA | 01 |
| 103. | 1.83 | | ITNA | 77FLA | 01 |
| Li (ppm) | | | | | |
| 439. | | | OES | 77FLA | 01 |
| Lu (ppm) | | | | | |
| 0.98 | 0.04 | | ITNA | 77FLA | 01 |
| Mn (ppm) | | | | | |
| 5.24 | | | OES | 77FLA | 01 |
| Nb (ppm) | | | | | |
| 39. | | | OES | 77FLA | 01 |
| Nd (ppm) | | | | | |
| 88. | 3.7 | | ITNA | 77FLA | 01 |
| Ni (ppm) | | | | | |
| 81. | | | OES | 77FLA | 01 |
| Pb (ppm) | | | | | |
| 41.7 | | | OES | 77FLA | 01 |
| Rb (ppm) | | | | | |
| | 20. | L* | ITNA | 77FLA | 01 |
| S (ppm) | | | | | |
| 308. | | | CB | 78TER | 01 |
| Sb (ppb) | | | | | |
| 800. | 100. | | ITNA | 77FLA | 01 |
| Sc (ppm) | | | | | |
| 21.3 | | | OES | 77FLA | 01 |
| 31.3 | 0.75 | | ITNA | 77FLA | 01 |
| Sm (ppm) | | | | | |
| 6.88 | | | OES | 77FLA | 01 |
| 21.3 | 0.69 | | ITNA | 77FLA | 01 |

TABLE CCC (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Sn (ppm) | | | | | |
| 6.16 | | | AA | 82TER | 01 |
| 6.53 | | | OES | 77FLA | 01 |
| Sr (ppm) | | | | | |
| 860. | | | OES | 77FLA | 01 |
| Ta (ppm) | | | | | |
| 3.21 | 0.06 | | ITNA | 77FLA | 01 |
| Tb (ppm) | | | | | |
| 2.77 | 0.08 | | ITNA | 77FLA | 01 |
| Th (ppm) | | | | | |
| 31.1 | 0.37 | | ITNA | 77FLA | 01 |
| U (ppm) | | | | | |
| 6.58 | | | RTNA | 76GAN | 01 |
| V (ppm) | | | | | |
| 362. | | | OES | 77FLA | 01 |
| Y (ppm) | | | | | |
| 121. | | | OES | 77FLA | 01 |
| Yb (ppm) | | | | | |
| 7.7 | 0.23 | | ITNA | 77FLA | 01 |
| 10.1 | | | OES | 77FLA | 01 |
| Zn (ppm) | | | | | |
| | 20. | L* | ITNA | 77FLA | 01 |
| Zr (ppm) | | | | | |
| 465. | 19. | | RTNA | 76GAN | 01 |
| 580. | 21. | | ITNA | 77FLA | 01 |

TABLE DDD

NBS SRM 98—COLLECTED DATA

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Al (%) | | | | | |
| 13.48 | | | TITR | 58WAT | 01 |
| 13.5 | | | CHEM | 62JOE | 01 |
| 13.5 | | | OES | 62JOE | 01 |
| 13.51 | | | CHEM | 57SHI | 01 |
| 13.65 | | | COLOR | 57SHI | 01 |
| B (ppm) | | | | | |
| 68. | | | OES | 64FIL | 01 |
| 78.5 | | | OES | 77FLA | 01 |
| 150. | | 3 | OES | 63CLA | 01 |
| 250. | | 3 | OES | 63CLA | 01 |
| Ba (ppm) | | | | | |
| 570. | | | OES | 58GRA | 01 |
| 670. | 10.8 | | ITNA | 77FLA | 01 |
| 800. | | | OES | 63CLA | 01 |
| Be (ppm) | | | | | |
| 4.1 | | | OES | 77FLA | 01 |
| C (ppm) | | | | | |
| 4000. | | | CB | 78TER | 01 |
| Ca (ppm) | | | | | |
| 1500. | | | CHEM | 62JOE | 01 |
| 1500. | | | OES | 62JOE | 01 |
| 1600. | | | TITR | 80HIT | 02 |
| Ce (ppm) | | | | | |
| 119. | | | OES | 77FLA | 01 |
| 135. | 1.32 | | ITNA | 77FLA | 01 |
| Co (ppm) | | | | | |
| 13.8 | 0.1 | | ITNA | 77FLA | 01 |
| 15. | | | OES | 63CLA | 01 |
| 16.5 | | | RTNA | 61TUR | 01 |
| 16.9 | | | OES | 77FLA | 01 |
| 17. | | | OES | 64FIL | 01 |
| Cr (ppm) | | | | | |
| 113. | 2.33 | | ITNA | 77FLA | 01 |
| 119. | | | OES | 64FIL | 01 |
| 130. | | | RTNA | 61TUR | 01 |
| 136. | | | OES | 77FLA | 01 |
| 143. | | | AA | 80DON | 01 |
| 144. | | | CHEM | 57SHI | 01 |
| 150. | | 3 | OES | 63CLA | 01 |
| 170. | | | COLOR | 57SHI | 01 |
| 250. | | 3 | OES | 63CLA | 01 |
| 1400. | | * | CHEM | 62JOE | 01 |
| 1600. | | * | OES | 62JOE | 01 |

TABLE DDD (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Cs (ppm) | | | | | |
| 10.7 | 0.17 | | ITNA | 77FLA | 01 |
| Cu (ppm) | | | | | |
| 33.7 | | | OES | 77FLA | 01 |
| 39. | | | OES | 64FIL | 01 |
| 70. | | | COLOR | 57SHI | 01 |
| 70. | | 3 | OES | 63CLA | 01 |
| 72. | | | CHEM | 57SHI | 01 |
| 100. | | 3 | OES | 63CLA | 01 |
| Dy (ppm) | | | | | |
| 7.07 | | | OES | 77FLA | 01 |
| Eu (ppm) | | | | | |
| 1.74 | 0.02 | | ITNA | 77FLA | 01 |
| 2.07 | | | OES | 77FLA | 01 |
| Fe (%) | | | | | |
| 1.12 | | | CHEM | 62JOE | 01 |
| 1.17 | | | OES | 62JOE | 01 |
| 1.38 | 0.01 | | COLOR | 59COL | 01 |
| 1.4 | 0.05 | | ITNA | 77FLA | 01 |
| 1.4 | | | COLOR | 57SHI | 01 |
| 1.43 | | | CHEM | 57SHI | 01 |
| Ga (ppm) | | | | | |
| | 100. | L* | OES | 63CLA | 01 |
| 24.1 | | | OES | 77FLA | 01 |
| 80. | | 3 | OES | 63CLA | 01 |
| Hf (ppm) | | | | | |
| 7. | 0.42 | | ITNA | 77FLA | 01 |
| Hg (ppb) | | | | | |
| 462.6 | 12.1 | | FAA | 82FLA | 01 |
| La (ppm) | | | | | |
| 55.2 | | | OES | 77FLA | 01 |
| 79. | 1.7 | | ITNA | 77FLA | 01 |
| 150. | | | OES | 63CLA | 01 |
| Li (ppm) | | | | | |
| 144. | | | OES | 77FLA | 01 |
| Lu (ppb) | | | | | |
| 650. | | | ITNA | 77FLA | 01 |

TABLE DDD (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Mg (ppm) | | | | | |
| 4100. | | | TITR | 80HIT | 02 |
| 4200. | | | OES | 62JOE | 01 |
| 4300. | | | CHEM | 62JOE | 01 |
| 4300. | | | CHEM | 57SHI | 01 |
| 4600. | | | COLOR | 57SHI | 01 |
| Mn (ppm) | | | | | |
| | 80. | L* | OES | 62JOE | 01 |
| 39. | | | OES | 64FIL | 01 |
| 39. | | | CHEM | 57SHI | 01 |
| 40. | | | CHEM | 62JOE | 01 |
| 96.5 | | | OES | 77FLA | 01 |
| 100. | | 3 | OES | 63CLA | 01 |
| 100. | | 3 | OES | 63CLA | 01 |
| Mo (ppm) | | | | | |
| | 1. | L* | OES | 63CLA | 01 |
| 1. | | | CHEM | 57SHI | 01 |
| Nd (ppm) | | | | | |
| 49. | 0.58 | | ITNA | 77FLA | 01 |
| Ni (ppm) | | | | | |
| 39. | | | OES | 64FIL | 01 |
| 40. | | | OES | 63CLA | 01 |
| 52.8 | | | OES | 77FLA | 01 |
| P (ppm) | | | | | |
| 350. | | 11 | COLOR | 76WHI | 01 |
| 390. | | 11 | COLOR | 76WHI | 01 |
| Pb (ppm) | | | | | |
| 40. | | | OES | 63CLA | 01 |
| 47.5 | | | OES | 77FLA | 01 |
| Rb (ppm) | | | | | |
| 154. | 1.12 | | ITNA | 77FLA | 01 |
| S (ppm) | | | | | |
| 250. | | | CB | 78TER | 01 |
| 270. | | | CB | 55COL | 01 |
| 300. | | | TURB | 73SHA | 01 |
| Sb (ppm) | | | | | |
| 1.3 | 0.12 | | ITNA | 77FLA | 01 |
| Sc (ppm) | | | | | |
| 22.1 | | | OES | 77FLA | 01 |
| 22.9 | 0.06 | | ITNA | 77FLA | 01 |
| 30. | | | OES | 63CLA | 01 |

TABLE DDD (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Se (ppm) | | | | | |
| 1.04 | 0.08 | | FLUOR | 74CRE | 01 |
| 1.2 | | | UU | 74WAH | 01 |
| 1.37 | | | UU | 65WEL | 01 |
| Si (%) | | | | | |
| 27.59 | | | TITR | 77OHL | 01 |
| 27.6 | | | CHEM | 62JOE | 01 |
| 27.6 | | | OES | 62JOE | 01 |
| Sm (ppm) | | | | | |
| 6.3 | | | OES | 77FLA | 01 |
| 10.3 | 0.42 | | ITNA | 77FLA | 01 |
| Sn (ppm) | | | | | |
| 6.47 | | | OES | 77FLA | 01 |
| Sr (ppm) | | | | | |
| 205. | | | RTNA | 61TUR | 01 |
| 230. | | | OES | 58GRA | 01 |
| 300. | | | OES | 63CLA | 01 |
| 326. | | | OES | 77FLA | 01 |
| 390. | | | OES | 75THO | 01 |
| Ta (ppm) | | | | | |
| 2.22 | 0.03 | | ITNA | 77FLA | 01 |
| Tb (ppm) | | | | | |
| 1.35 | 0.02 | | ITNA | 77FLA | 01 |
| Th (ppm) | | | | | |
| 19.5 | 0.21 | | ITNA | 77FLA | 01 |
| Ti (ppm) | | | | | |
| 8400. | | | CHEM | 62JOE | 01 |
| 8600. | | | CHEM | 57SHI | 01 |
| 8690. | | | OES | 62JOE | 01 |
| 9000. | | 3 | OES | 63CLA | 01 |
| 9300. | | | COLOR | 57SHI | 01 |
| 10000. | | 3 | OES | 63CLA | 01 |
| V (ppm) | | | | | |
| 106. | | | OES | 64FIL | 01 |
| 120. | | | OES | 62JOE | 01 |
| 140. | | | CHEM | 62JOE | 01 |
| 140. | | | CHEM | 57SHI | 01 |
| 161. | | | COLOR | 57SHI | 01 |
| 200. | | 3 | OES | 63CLA | 01 |
| 300. | | 3 | OES | 63CLA | 01 |
| 310. | | | OES | 77FLA | 01 |

TABLE DDD (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Y (ppm) | | | | | |
| 28. | | | OES | 64FIL | 01 |
| 40. | | | OES | 63CLA | 01 |
| 46.7 | | | OES | 77FLA | 01 |
| Yb (ppm) | | | | | |
| 4.9 | 0.1 | | ITNA | 77FLA | 01 |
| 6.8 | | | OES | 77FLA | 01 |
| 21.2 | | | OES | 77FLA | 01 |
| Zn (ppm) | | | | | |
| 125. | 2.1 | | ITNA | 77FLA | 01 |
| Zr (ppm) | | | | | |
| 190. | | * | OES | 64FIL | 01 |
| 270. | | | OES | 62JOE | 01 |
| 300. | | | CHEM | 62JOE | 01 |
| 300. | | | OES | 63CLA | 01 |
| 340. | 19.6 | | ITNA | 77FLA | 01 |
| 377. | | | OES | 77FLA | 01 |

TABLE EEE

NBS SRM 98A—COLLECTED DATA

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| B (ppm) | | | | | |
| 120. | | | OES | 77FLA | 01 |
| Ba (ppm) | | | | | |
| 168. | | | OES | 77FLA | 01 |
| 480. | 20. | | ITNA | 77FLA | 01 |
| Be (ppm) | | | | | |
| 5.93 | | | OES | 77FLA | 01 |
| C (ppm) | | | | | |
| 8100. | | | CB | 78TER | 01 |
| Ce (ppm) | | | | | |
| 180. | | | OES | 77FLA | 01 |
| 219. | 0.29 | | ITNA | 77FLA | 01 |
| Co (ppm) | | | | | |
| 11.5 | 0.06 | | ITNA | 77FLA | 01 |
| 14.4 | | | OES | 77FLA | 01 |
| Cr (ppm) | | | | | |
| 212. | 4.8 | | ITNA | 77FLA | 01 |
| 234. | | | OES | 77FLA | 01 |
| Cs (ppm) | | | | | |
| 6.2 | 0.06 | | ITNA | 77FLA | 01 |
| Cu (ppm) | | | | | |
| 121. | | | OES | 77FLA | 01 |
| Dy (ppm) | | | | | |
| 17.5 | | | OES | 77FLA | 01 |
| Eu (ppm) | | | | | |
| 3.18 | 0.02 | | ITNA | 77FLA | 01 |
| 3.52 | | | OES | 77FLA | 01 |
| Fe (ppm) | | | | | |
| 8800. | 30. | | ITNA | 77FLA | 01 |
| Ga (ppm) | | | | | |
| 23.3 | | | OES | 77FLA | 01 |
| Hf (ppm) | | | | | |
| 7.3 | 0.14 | | ITNA | 77FLA | 01 |

TABLE EEE (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Hg (ppb) | | | | | |
| 39.3 | 4.8 | | FAA | 82FLA | 01 |
| La (ppm) | | | | | |
| 91.7 | | | OES | 77FLA | 01 |
| 162. | 2.99 | | ITNA | 77FLA | 01 |
| Li (ppm) | | | | | |
| 291. | | | OES | 77FLA | 01 |
| Lu (ppm) | | | | | |
| 1.15 | 0.06 | | ITNA | 77FLA | 01 |
| Mn (ppm) | | | | | |
| 41.4 | | | OES | 77FLA | 01 |
| Nb (ppm) | | | | | |
| 39.9 | | | OES | 77FLA | 01 |
| Nd (ppm) | | | | | |
| 98. | 2.6 | | ITNA | 77FLA | 01 |
| Ni (ppm) | | | | | |
| 162. | | | OES | 77FLA | 01 |
| Pb (ppm) | | | | | |
| 69.2 | | | OES | 77FLA | 01 |
| Rb (ppm) | | | | | |
| 35. | 2.3 | | ITNA | 77FLA | 01 |
| S (ppm) | | | | | |
| 1300. | | | CB | 78TER | 01 |
| Sb (ppm) | | | | | |
| 2.3 | 0.1 | | ITNA | 77FLA | 01 |
| Sc (ppm) | | | | | |
| 28.8 | | | OES | 77FLA | 01 |
| 34.8 | 0.21 | | ITNA | 77FLA | 01 |
| Sm (ppm) | | | | | |
| 9.18 | | | OES | 77FLA | 01 |
| 15. | 2.4 | | ITNA | 77FLA | 01 |

TABLE EEE (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Sn (ppm) | | | | | |
| 4.88 | | | OES | 77FLA | 01 |
| 5.25 | | | AA | 82TER | 01 |
| Sr (ppm) | | | | | |
| 438. | | | OES | 77FLA | 01 |
| Ta (ppm) | | | | | |
| 2.46 | 0.03 | | ITNA | 77FLA | 01 |
| Tb (ppm) | | | | | |
| 2.92 | 0.06 | | ITNA | 77FLA | 01 |
| Th (ppm) | | | | | |
| 23.9 | 0.11 | | ITNA | 77FLA | 01 |
| Tl (ppb) | | | | | |
| 351. | 40. | 7 | ASV | 82CAL | 01 |
| V (ppm) | | | | | |
| 554. | | | OES | 77FLA | 01 |
| Y (ppm) | | | | | |
| 176. | | | OES | 77FLA | 01 |
| Yb (ppm) | | | | | |
| 9.3 | 0.29 | | ITNA | 77FLA | 01 |
| 10.3 | | | OES | 77FLA | 01 |
| Zn (ppm) | | | | | |
| | 23. | L* | ITNA | 77FLA | 01 |
| Zr (ppm) | | | | | |
| 740. | 32. | | ITNA | 77FLA | 01 |

TABLE FFF

NBS SRM 99—COLLECTED DATA

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Al (%) | | | | | |
| 10.07 | | | TITR | 58WAT | 01 |
| B (ppm) | | | | | |
| 10. | | | OES | 63CLA | 01 |
| Ba (ppm) | | | | | |
| | 130. | L* | ITNA | 77FLA | 01 |
| | 800. | L* | OES | 63CLA | 01 |
| Ce (ppm) | | | | | |
| 8. | 0.6 | | ITNA | 77FLA | 01 |
| Co (ppb) | | | | | |
| | 10000. | L* | OES | 63CLA | 01 |
| 700. | 30. | | ITNA | 77FLA | 01 |
| 780. | 120. | | RTNA | 61TUR | 01 |
| Cr (ppm) | | | | | |
| | 20. | L* | OES | 63CLA | 01 |
| 3.3 | 0.16 | | ITNA | 77FLA | 01 |
| 5.3 | | | RTNA | 61TUR | 01 |
| 13. | | | OES | 64FIL | 01 |
| Cs (ppb) | | | | | |
| 700. | 100. | | ITNA | 77FLA | 01 |
| Cu (ppm) | | | | | |
| 20. | | | OES | 63CLA | 01 |
| 22. | | | OES | 64FIL | 01 |
| Eu (ppb) | | | | | |
| 350. | | | ITNA | 77FLA | 01 |
| Fe (ppm) | | | | | |
| 500. | | | ITNA | 77FLA | 01 |
| Ga (ppm) | | | | | |
| 30. | | | OES | 63CLA | 01 |
| Hf (ppb) | | | | | |
| 900. | 60. | | ITNA | 77FLA | 01 |
| La (ppm) | | | | | |
| | 100. | L* | OES | 63CLA | 01 |
| | 8. | L* | ITNA | 77FLA | 01 |

TABLE FFF (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Lu (ppb) | | | | | |
| | 200. | L* | ITNA | 77FLA | 01 |
| Mn (ppm) | | | | | |
| 12. | | | OES | 64FIL | 01 |
| 50. | | | OES | 63CLA | 01 |
| Nd (ppm) | | | | | |
| | 4. | L* | ITNA | 77FLA | 01 |
| Ni (ppm) | | | | | |
| 15. | | | OES | 63CLA | 01 |
| P (ppm) | | | | | |
| 567. | | | OES | 64FIL | 01 |
| Pb (ppm) | | | | | |
| 62. | | | OES | 64FIL | 01 |
| 150. | | | OES | 63CLA | 01 |
| Rb (ppm) | | | | | |
| 23. | 1.6 | | ITNA | 77FLA | 01 |
| Sb (ppb) | | | | | |
| 500. | 60. | | ITNA | 77FLA | 01 |
| Sc (ppb) | | | | | |
| | 10000. | L* | OES | 63CLA | 01 |
| 830. | 10. | | ITNA | 77FLA | 01 |
| Si (%) | | | | | |
| 32.05 | 0.01 | | TITR | 77OHL | 01 |
| 32.05 | | | COLOR | 82SAR | 01 |
| Sm (ppm) | | | | | |
| | 2. | L* | ITNA | 77FLA | 01 |
| Sr (ppm) | | | | | |
| 120. | | | RTNA | 61TUR | 01 |
| 130. | | | OES | 75THO | 01 |
| 400. | | | OES | 63CLA | 01 |
| Ta (ppm) | | | | | |
| 1.9 | 0.02 | | ITNA | 77FLA | 01 |
| Tb (ppb) | | | | | |
| 280. | 6. | | ITNA | 77FLA | 01 |

TABLE FFF (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Th (ppm) | | | | | |
| 1.6 | 0.03 | | ITNA | 77FLA | 01 |
| Ti (ppm) | | | | | |
| 61. | | | OES | 64FIL | 01 |
| 150. | | 3 | OES | 63CLA | 01 |
| 200. | | 3 | OES | 63CLA | 01 |
| 560. | | | COLOR | 63KOR | 01 |
| U (ppm) | | | | | |
| 1.09 | | | DNA | 66HAM | 01 |
| V (ppm) | | | | | |
| | 10. | L* | OES | 63CLA | 01 |
| Y (ppm) | | | | | |
| 10. | | | OES | 63CLA | 01 |
| Yb (ppm) | | | | | |
| 1. | 0.06 | | ITNA | 77FLA | 01 |
| Zn (ppm) | | | | | |
| 14.6 | | | RTNA | 65BAL | 01 |
| 15. | | | XRF | 65BAL | 01 |
| 18. | 0.82 | | ITNA | 77FLA | 01 |
| Zr (ppm) | | | | | |
| | 100. | L* | ITNA | 77FLA | 01 |
| 11. | | | OES | 64FIL | 01 |
| 40. | | | OES | 63CLA | 01 |

## TABLE GGG

## NBS SRM 99A—COLLECTED DATA

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Ba (ppm) | | | | | |
| 2570. | 38.6 | | ITNA | 77FLA | 01 |
| C (ppm) | | | | | |
| 300. | | | CB | 78TER | 01 |
| Ca (%) | | | | | |
| 1.51 | | | AA | 73RAM | 01 |
| Ce (ppm) | | | | | |
| 5. | 0.29 | | ITNA | 77FLA | 01 |
| Co (ppb) | | | | | |
| 100. | | | ITNA | 77FLA | 01 |
| Cr (ppm) | | | | | |
| | 3. | L* | ITNA | 77FLA | 01 |
| Cs (ppm) | | | | | |
| 0.5 | 0.03 | | ITNA | 77FLA | 01 |
| 9. | | | AA | 72ALL | 01 |
| Eu (ppb) | | | | | |
| 820. | 4. | | ITNA | 77FLA | 01 |
| Fe (ppm) | | | | | |
| 450. | | | AA | 73RAM | 01 |
| 500. | | | ITNA | 77FLA | 01 |
| Hf (ppb) | | | | | |
| 300. | 30. | | ITNA | 77FLA | 01 |
| Hg (ppb) | | | | | |
| 164.6 | 7.35 | | FAA | 82FLA | 01 |
| K (%) | | | | | |
| 4.2 | 0.13 | | ISE | 75PUF | 01 |
| 4.2 | | | FE | 75PUF | 01 |
| 4.4 | | | AA | 73RAM | 01 |
| La (ppm) | | | | | |
| 22. | 1.9 | | ITNA | 77FLA | 01 |
| Lu (ppb) | | | | | |
| | 100. | L* | ITNA | 77FLA | 01 |
| Mg (ppm) | | | | | |
| 130. | | | AA | 73RAM | 01 |

## TABLE GGG (cont)

| CONC | UNCER | COMMENT | ANAL METH | REF CODE | REF NUM |
|---|---|---|---|---|---|
| Na (%) | | | | | |
| 4.45 | | | AA | 73RAM | 01 |
| 4.6 | | | FE | 75PUF | 01 |
| 4.6 | 0.1 | | ISE | 75PUF | 01 |
| Nd (ppm) | | | | | |
| | 4. | L* | ITNA | 77FLA | 01 |
| Rb (ppm) | | | | | |
| 100. | | | AA | 72ALL | 01 |
| 109. | 1.2 | | ITNA | 77FLA | 01 |
| S (ppm) | | | | | |
| 19. | | | CB | 78TER | 01 |
| Sb (ppb) | | | | | |
| | 300. | L* | ITNA | 77FLA | 01 |
| Sc (ppb) | | | | | |
| 230. | | | ITNA | 77FLA | 01 |
| Si (%) | | | | | |
| 30.42 | 0.4 | | AA | 82KIS | 01 |
| Sm (ppb) | | | | | |
| 500. | 70. | | ITNA | 77FLA | 01 |
| Sn (ppm) | | | | | |
| 0.45 | | | AA | 82TER | 01 |
| Ta (ppb) | | | | | |
| | 200. | L* | ITNA | 77FLA | 01 |
| Tb (ppb) | | | | | |
| | 200. | L* | ITNA | 77FLA | 01 |
| Th (ppb) | | | | | |
| 500. | | | ITNA | 77FLA | 01 |
| Yb (ppb) | | | | | |
| | 300. | L* | ITNA | 77FLA | 01 |
| Zn (ppm) | | | | | |
| | 7. | L* | ITNA | 77FLA | 01 |
| Zr (ppm) | | | | | |
| 70. | | | ITNA | 77FLA | 01 |

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Concentration data on 88 constituents in 75 NBS Standard Reference Materials have been collected from over 850 journal articles and technical reports. These data are summarized into mean values with uncertainties expressed as +/- one standard deviation and compared with available certification data from NBS. Data are presented on the analytical procedures employed and all raw data are given in the Appendices.

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